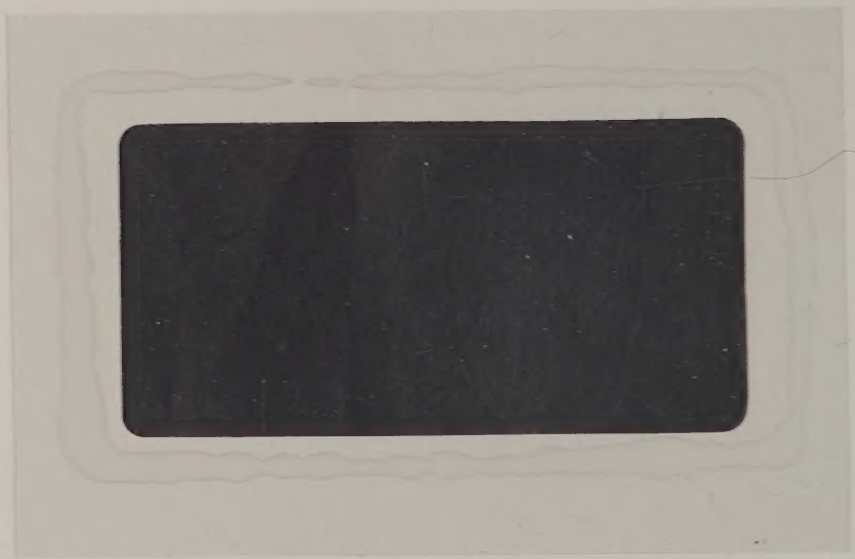
Anritsu

SERVICE MANUAL
SYNTHESIZED SIGNAL GENERATOR
MG3631A/MG3632A



SERVICE MANUAL
SYNTHESIZED SIGNAL GENERATOR
MG3631A/MG3632A

1992.04
Ver. I

ANRITSU CORPORATION

MAY
1993

CERTIFICATION

ANRITSU CORPORATION certifies that this instrument has been thoroughly tested and inspected, and found to meet published specifications prior to shipping.
Anritsu further certifies that its calibration measurements are based on the Japanese Electrotechnical Laboratory and Radio Research Laboratory standards.

WARRANTY

All parts of this product are warranted by Anritsu Corporation of Japan against defects in material or workmanship for a period of one year from the date of delivery.
In the event of a defect occurring during the warranty period, Anritsu Corporation will repair or replace this product within a reasonable period of time after notification, free-of-charge, provided that: it is returned to Anritsu; has not been misused; has not been damaged by an act of God; and that the user has followed the instructions in the operation manual.

Any unauthorized modification, repair, or attempt to repair, will render this warranty void.

This warranty is effective only for the original purchaser of this product and is not transferable if it is resold.

ALL OTHER EXPRESSED WARRANTIES ARE DISCLAIMED AND ALL IMPLIED WARRANTIES FOR THIS PRODUCT, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO A PERIOD OF ONE YEAR FROM THE DATE OF DELIVERY. IN NO EVENT SHALL ANRITSU CORPORATION BE LIABLE TO THE CUSTOMER FOR ANY DAMAGES, INCLUDING LOST PROFITS, OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES, ARISING OUT OF THE USE OR INABILITY TO USE THIS PRODUCT.

All requests for repair or replacement under this warranty must be made as soon as possible after the defect has been noticed and must be directed to Anritsu Corporation or its representative in your area.

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WARNING

NO OPERATOR SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED PERSONNEL.

CAUTION

FOR CONTINUED FIRE PROTECTION REPLACE
ONLY WITH SPECIFIED TYPE AND RATED FUSE.

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Note 1:

1. The instrument is operable on a nominal voltage of 100 to 127 Vac or 200 to 250 Vac by changing the connections on the power transformer taps as described in Note 3 below.

   The voltage and current ratings are indicated on the rear panel when the instrument is shipped from the factory.

   To operate on the other voltage, change the connections on the power supply transformer. The plate on the rear panel indicating the voltage and current ratings should be changed to the appropriate one. Order the plate from ANRITSU CORPORATION if needed.

2. In this manual, the power supply voltage and current ratings are represented by **Vac and ***A, respectively.
3. The relationship between power supply voltage and current ratings is shown below.

**Vac	***A
100 to 127 V	3.15 A
200 to 250 V	1.6 A

Note 2:

*WARNING*s, *CAUTION*s, *Note*s, and Explanatory footnotes are used in this manual. Their meanings are given below:

WARNING: ***WARNING is used when there is a personal injury hazard.***

CAUTION: ***CAUTION is used when the equipment may be damaged.***

Note: Note is used to provide information about exceptions, corrections, and restrictions.

Explanatory footnote: Explanatory footnotes provide comments on the same page as the text, figure or table. They are referenced by either an asterisk (*) or by combination of an asterisk and numeral.

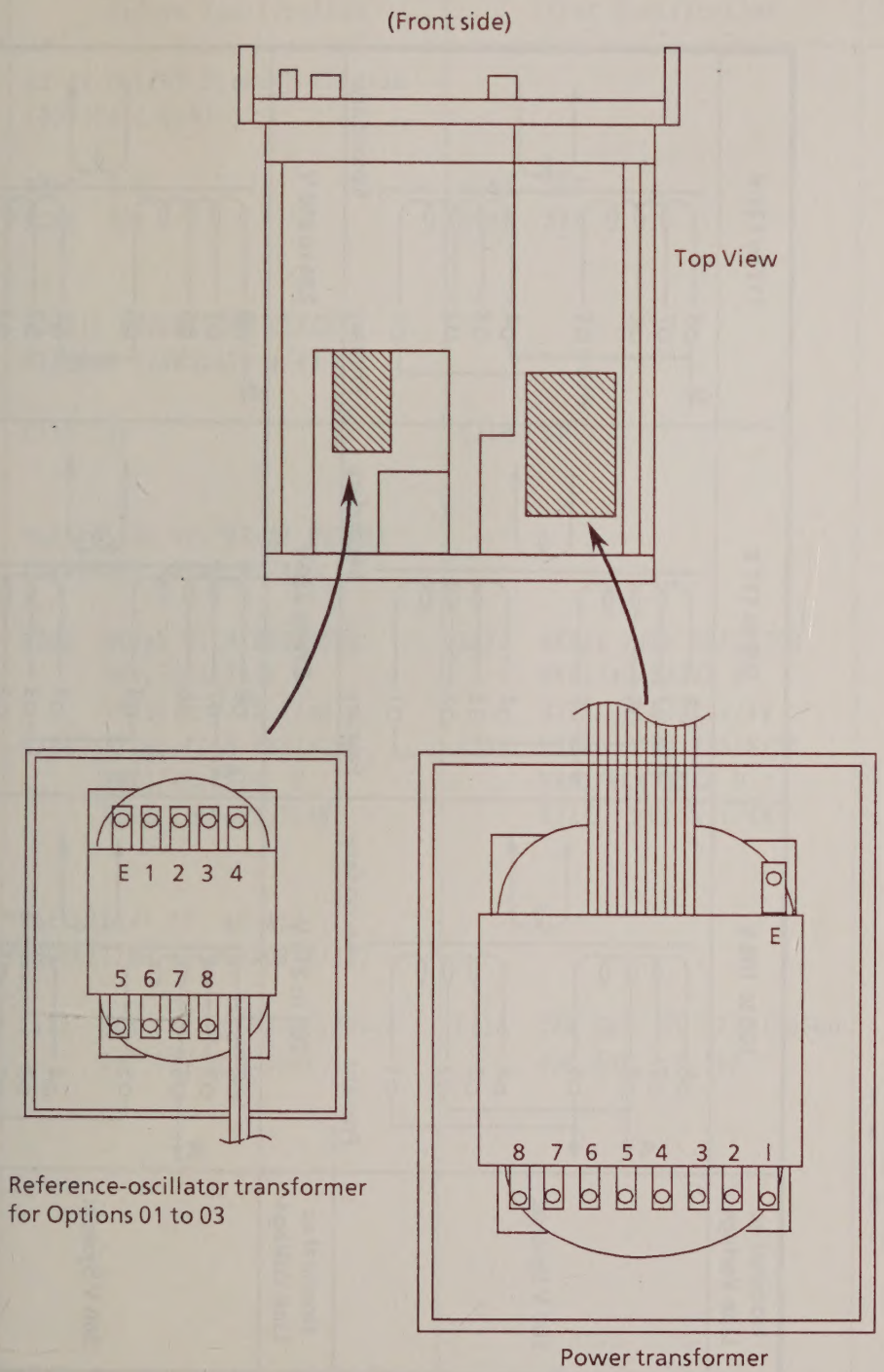
Note 3:

AC Line Power Supply Voltage Rating Change

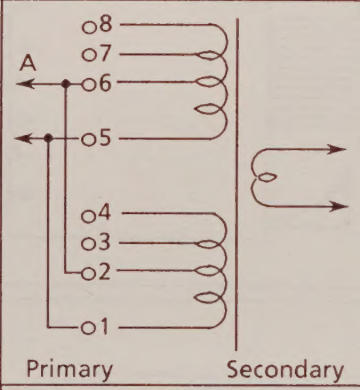
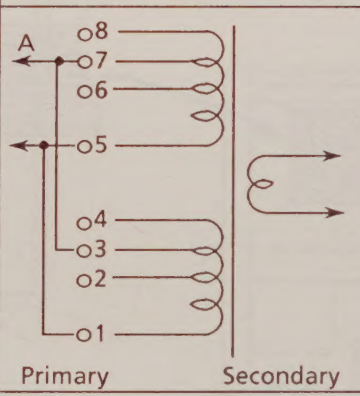
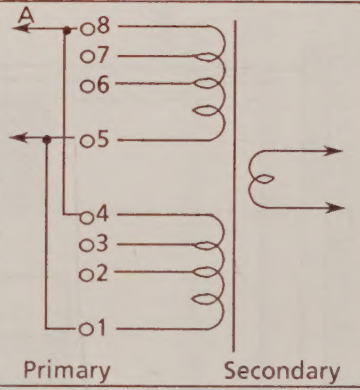
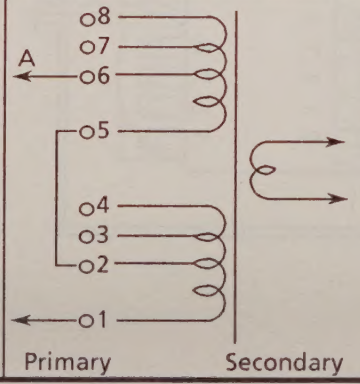
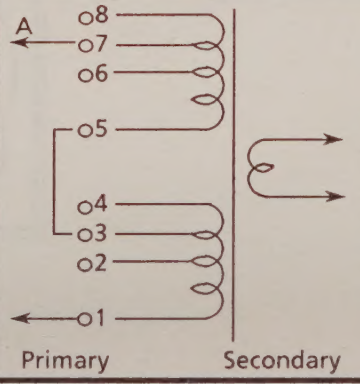
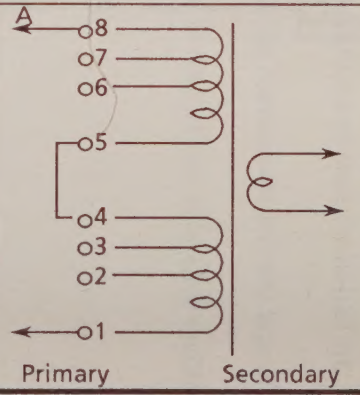
The MG3631A/MG3632A have a power transformer with several taps so that a nominal AC line voltage from 100 to 250 Vac can be used.

The change the AC supply voltage rating, change the wiring on the appropriate primary taps of the power transformer as follows:

When the Option 01, 02, or 03 installed, also change the wiring of the reference-oscillator transformer for the option.



Power-Transformer Top External View

Nominal ac Line Voltage	100 to 108 V	108 to 117 V	117 to 127 V
100 V System			
Nominal ac Line Voltage	**200 to 216 V**	**216 to 234 V**	**234 to 250 V**
200 V System			

Wiring for Power Supply Changing

HISTORY OF MODIFICATIONS
(MG3631A/MG3632A Ser.)

SEP. 24 '92

ITEM	DESCRIPTION		Applicable Serial No.
	Before Modification	After Modification	
P.3-73	A2-A7 OUTPUT Circuit Diagram (33W32422 4/5) R282 178 R288 221	 R282 332 R288 332	
P.3-83	A2-A12 MODULATION CIRCUIT DIAGRAM (33W32428 4/4) C118 3p	 C118 5p	
P.6-46	Parts List of: A2-A7 OUTPUT (34W99303 46/48,47/48) R282 METAL FILM RESISTOR NRN1/4C4178Ω D 178Ω, ±0.5%,1/4W R288 METAL FILM RESISTOR NRN1/4C4221Ω D 221Ω, ±0.5%,1/4W	 R282 METAL FILM RESISTOR NRN1/4C4332Ω D 332Ω, ±0.5%,1/4W R288 METAL FILM RESISTOR NRN1/4C4332Ω D 332Ω, ±0.5%,1/4W	
P.6-49	Parts List of: A2-A12 MODULATION (34W99309 6/15) C118 CER CAP, CC732CJ1H030C 3pF,50V, ±0.25pF	 C118 CER CAP, CC732CH1H050D 5pF,50V, ±0.5pF	From MT11195 (MG3631A) MT18396 (MG3632A)

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HISTORY OF MODIFICATIONS
(MG3631A/MG3632A Ser.)

NOV. 11 '92

ITEM	DESCRIPTION		Applicable Serial No.
	Before Modification	After Modification	
P.3-66	A2-A6 MAIN LOOP Circuit Diagram (33W32421 1/3) C17 7p	 C17 6p	
P.6-30	Parts List of: A2-A6 MAIN LOOP (34W99302 1/19) C17 CER CAP CC732CH1H070D 7pF,50V,±0.5pF	 C17 CER CAP CC732CH1H060D 6pF,50V,±0.5pF	From MT12197 (MG3631A) MT21197 (MG3632A)

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SECTION 1
GENERAL

This service manual explains maintenance, operation procedures, calibration and performance tests for the MG3631A/MG3632A Synthesized Signal Generator.

This service manual is composed of SECTION 1 to SECTION 6; whose details are summarized below:

SECTION 1 GENERAL:

This section describes the composition of the service manual.

SECTION 2 CIRCUITRY:

This section explains the operation of the circuits and the role of each unit.

SECTION 3 TROUBLESHOOTING AND REPAIR:

This section explains how to locate and repair faults if any abnormalities occurs.

SECTION 4 ADJUSTMENT:

This section explains the overall adjustments after troubleshooting for the main frame and the signal processor RF unit.

SECTION 5 MECHANICAL CONFIGURATION:

This section explains procedures for replacing malfunctioning mechanical parts.

SECTION 6 REPLACEABLE PARTS:

This section explains how to order electrical components and gives the PC board numbers.

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SECTION 2
CIRCUITRY

2.1 Outline

Table 2-1 and Figs. 2-1 to 2-17 describe the functions of each circuit and show the block diagrams, respectively.

Note: The circuit names and the related drawing numbers are listed on Table 3-4 in paragraph 3.5.

Table 2-1 Outline of Circuitry

A No.	Name	Description
A1	PANEL UNIT	Displays output frequency, output level, modulation factor and setting mode. In addition, sends key-input data.
A1-A1	PANEL 1	Receives data for panel display and drives panel LEDs as well as analyzes and sends key-input data.
A1-A2	PANEL 2	Mounts panel display and panel keys.
A2	SG UNIT	Generates output signal and varies the level. Also includes DC power-supply and control circuits.
A2-A1	BUFFER	Distributes DC power and control data signal to each circuit.
A2-A2	REFERENCE	Circuit containing a 10-MHz reference crystal generator.
A2-A3	FM VCO	A VCO circuit outputs 20 MHz signal that is divided by 2, resulting in a 10 MHz signal which is used for frequency modulation.
A2-A4	LF SYNTHE	The A2-A4 LF SYNTHE circuit synthesizes low-order frequencies of 10 Hz to 1 MHz and outputs frequencies of 10 MHz to 20 MHz (in 5 Hz steps).
A2-A5	20 MHz STEP	This circuit outputs a 620 to 940 MHz (in 20 MHz steps) signal to the A2-A6 MAIN LOOP circuit, in addition to a constant frequency signal of 110 MHz used for frequency modulation. In addition, it outputs a 720 MHz signal to the A2-A7 OUTPUT circuit when the output frequency of the MG3631A/MG3632A is 0 to 130 MHz.

Table 2-1 Outline of Circuitry (Continued)

A No.	Name	Description
A2-A6	MAIN LOOP	This circuit generates a signal of 520 to 1040 MHz (in 5 Hz steps). The frequency of this signal depends on the 620 to 940 MHz (in 20 MHz steps) signal and the 110 MHz signal (used for frequency modulation) from the A2-A5 20 MHz STEP and the 10 to 20 MHz (in 5 Hz steps) signal from the A2-A4 LF SYNTHE.
A2-A7	OUTPUT	This circuit generates a 0.1 to 2080 MHz (in 10 Hz steps) signal whose frequency depends upon both the 520 to 1040 MHz (in 5 Hz steps) signal from the A2-A6 MAIN LOOP and the signal from the AT1 Programmable ATT. The output level is controlled by an ALC circuit to remain in the 0 to −5 dBm range (in 0.1 dB steps).
A2-A10	ATT DRIVE	This circuit is composed of a driver circuit for switching the 5-dB step programmable ATT with a maximum attenuation of 135 dB according to the output level setting, and the Reverse Power Protector (RPP) control circuit.
A2-A12	MODULATION	This circuit generates the low-frequency sinewave modulation signal for AM/FM modulation. At amplitude modulation (AM), the modulation signal is supplied to A2-A7 OUTPUT; at frequency modulation (FM), it is supplied to A2-A3 FM VCO. In addition, the ALC reference signal is also generated here and supplied to A2-A7 OUTPUT to set the output level.
A2-A13	POWER SUPPLY	The AC power signal from the power transformer is rectified, smoothed and stabilized; and then the generated DC power is supplied to each circuit.
A2-A14	CPU	This circuit is composed of the CPU, memories, and memory back-up battery for making-up one part of the control circuits.
A2-A15	INTERFACE	This circuit is composed of the I/O interface, GP-IB interface and power-fail detection circuit for making-up one part of the control circuits.

2.2 Circuit Description of Each Unit

2.2.1 A1 PANEL UNIT 2

The block diagram of the A1 PANEL UNIT is shown in Fig. 2-1.

The A1 PANEL UNIT is mounted on the front panel, and is composed of two PC boards: A1-A1 PANEL 1, and A1-A2 PANEL 2.

2.2.2 A1-A1 PANEL 1 3

This circuit is composed of a shift register for lighting the LEDs based on the display data sent from A2-A14 CPU and A2-A15 INTERFACE, as well as the alarm buzzer.

2.2.3 A1-A2 PANEL 2 4

This circuit lights the LEDs according to the LED-driver signals supplied from A1-A1 PANEL 1. The all LEDs are drived by the static lighting method.

In addition, it converts the panel-key matrix signal to serial data, and sends it to A2-A14 CPU and A2-A15 INTERFACE via A1-A1 PANEL 1.

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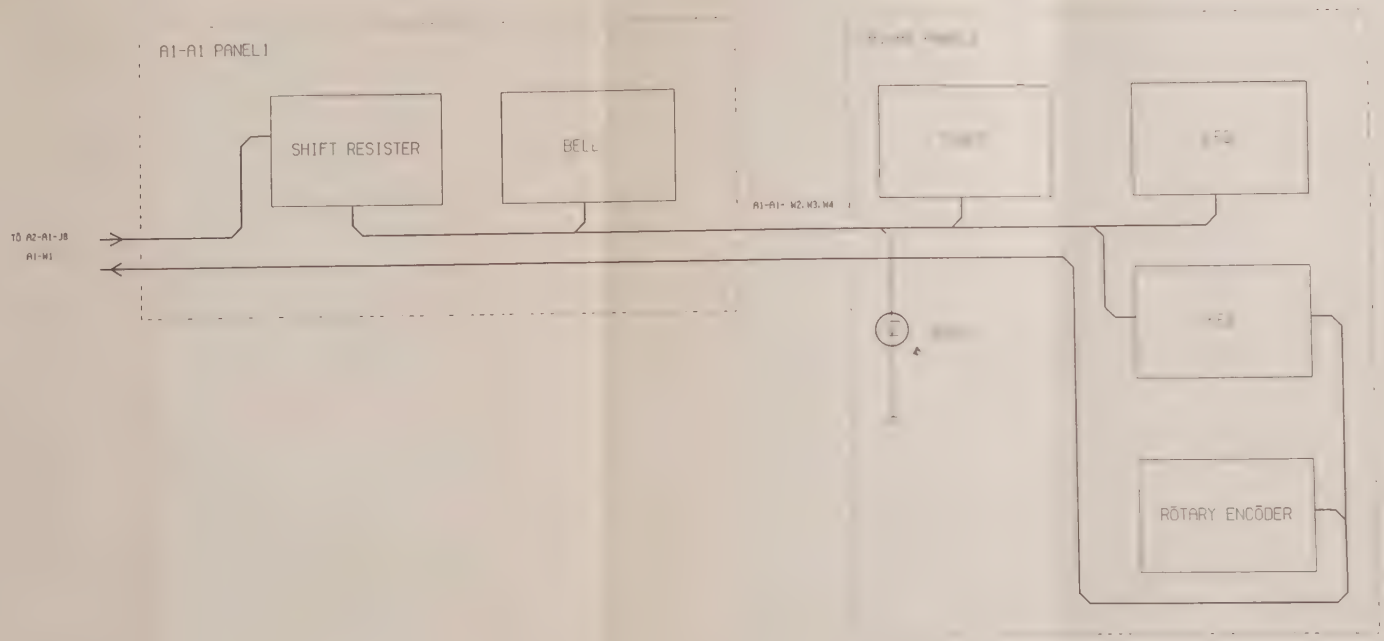
APPLICATION

REVISIONS



QTY	ITEM	PART No	DESCRIPTION	MATERIAL	FINISH	NOTE

CHECKED BY J Kinase	DRAWN BY ALICE	SCALE	
APPROVED BY M. Hashizu	DESIGNED BY T.Kisaki		
TITLE A1 PANEL UNIT Block Diagram			DRAWING No. 33W32900

DEP

Fig. 2-1

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2.2.4 A2 SG UNIT 5

The block diagram of the A2 SG UNIT is shown in Fig. 2-2. The A2 SG UNIT contains all circuits excluding the front panel.

2.2.5 A2-A1 BUFFER 6

A2-A1 BUFFER supplies the DC power produced by A2-A13 POWER SUPPLY to each PC board.

In addition, it distributes the control signals produced by A2-A15 INTERFACE to each PC board.

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33W32903

APPLICATION

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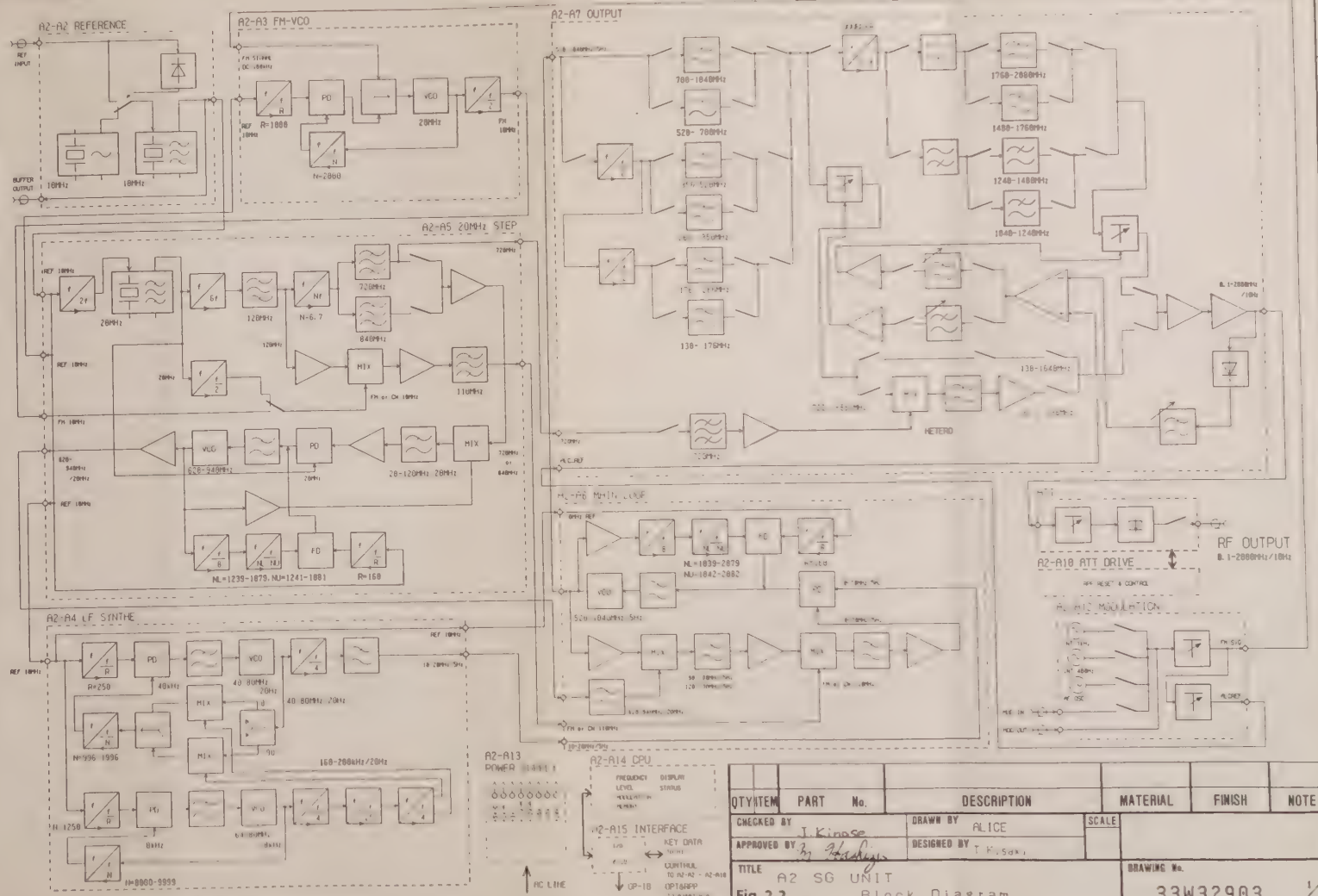

QTY/ITEM	PART No.	DESCRIPTION	MATERIAL	FINISH	NOTE
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APPROVED BY		DESIGNED BY	T.Kisaki		

TITLE A2 SG UNIT

Fig. 2-2 Block Diagram

DRAWING No. 33W32903 1/1

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2.2.6 A2-A2 REFERENCE 7

The block diagram of A2-A2 REFERENCE is shown in Fig. 2-3.

A2-A2 REFERENCE is composed of a 10 MHz TCXO, a 10-MHz crystal filter, an external-reference-signal detection circuit, and an internal/external reference-signal switching relay.

When there is no external reference signal, the 10 MHz TCXO signal is connected to the crystal filter.

When there is an external reference signal, the relay is operated by the detection circuit to connect the external reference signal to the crystal filter.

The output of the crystal filter is supplied to A2-A5 20 MHz STEP as the reference signal.

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APPLICATION

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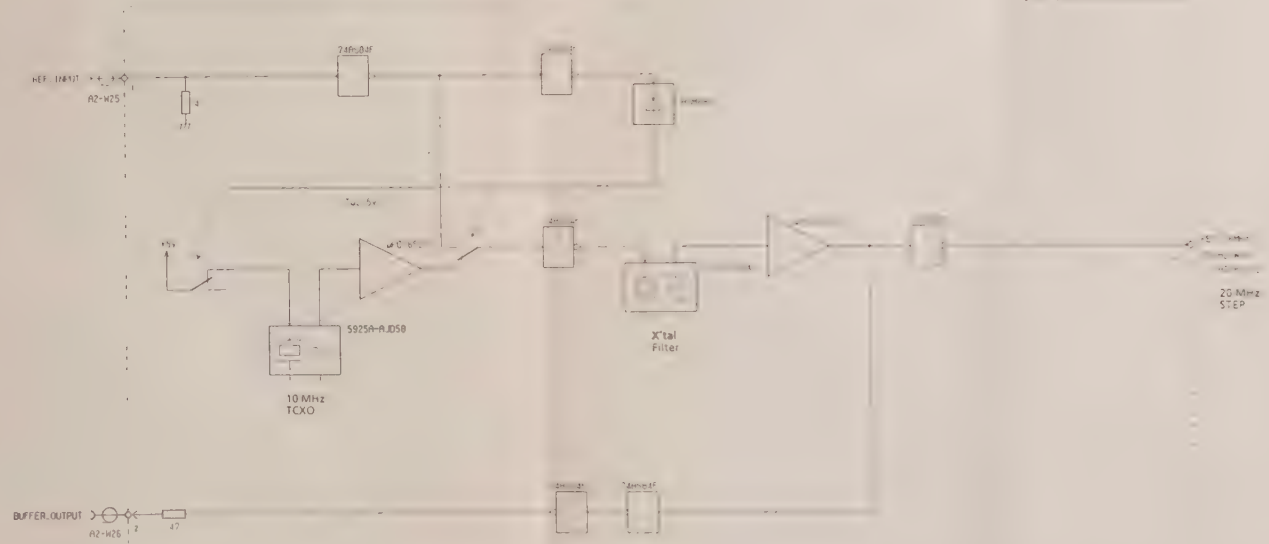

Fig. 2-3

QTY	ITEM	PART No.	DESCRIPTION	MATERIAL	FINISH	NOTE
CHECKED BY J. Kinase		DRAWN BY ALICE		SCALE		
APPROVED BY H. Hashiguchi		DESIGNED BY T. Kisaki				
TITLE A2-A2 REFERENCE Block Diagram				DRAWING No. 33W32905		

DEP

2.2.7 A2-A3 FM VCO 8

The block diagram of A2-A3 FM VCO is shown in Fig. 2-4.

A2-A3 FM VCO is composed of a 20-MHz oscillation frequency VCO, a PLL circuit to synchronize the signal to the 10-MHz reference signal, an attenuator that changes the level of the FM modulation signal according to the frequency range and FM deviation, and a 1/2 divider that converts 20 MHz to 10 MHz.

In CW mode, the 20-MHz VCO generates a CW signal synchronized to the 10-MHz reference signal; this signal is converted to 10 MHz by the 1/2 divider, and supplied to A2-A5 20-MHz STEP.

In AC FM mode, the modulation signal is superimposed on the PLL-circuit PD (phase detector), and the FM modulated signal is generated from the 20-MHz VCO.

In DC FM mode, the PLL-circuit PD output is set to OFF and then the 20-MHz VCO operates in the unlocked condition to enable a DC frequency modulation.

Figure 2-5 shows the FM VCO circuit control in each mode.

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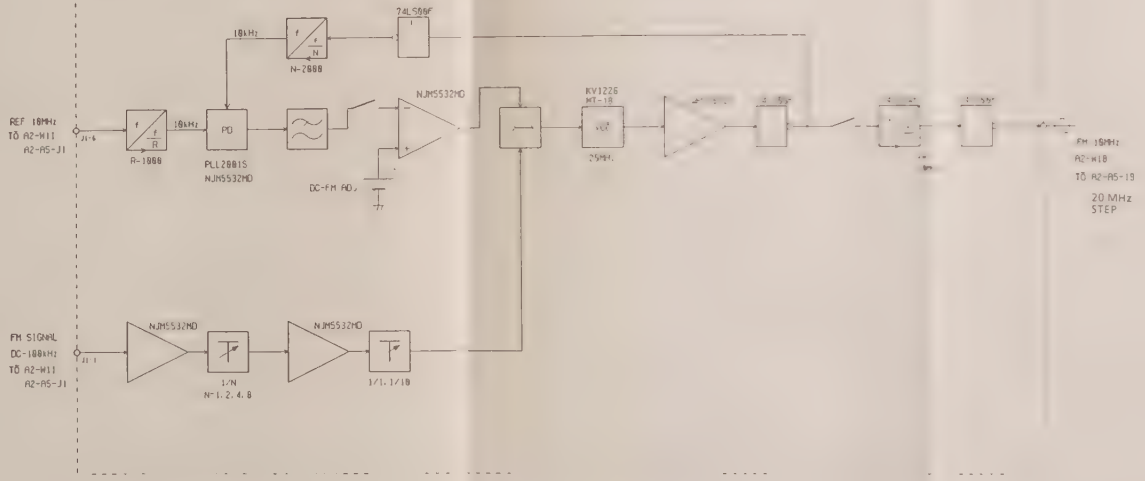
33W32906

APPLICATION

REVISIONS



QTY	ITEM	PART No.	DESCRIPTION	MATERIAL	FINISH	NOTE

CHECKED BY	J Kimase	DRAWN BY	HLICE
APPROVED BY	M. Hashizu	DESIGNED BY	T Kisaki
SCALE	:		

TITLE: A2-A3 FM-VCO Block Diagram

DRAWING No. 33W32906 1/1

DEP

Fig. 2-4

Basic-band frequency	Polarity
≧520 MHz, <790 MHz	Non-inverted
≧790 MHz, ≦1040MHz	Inverted

FM deviation / Basic-band frequency	0 to 100 kHz	101 to 200 kHz
<130 MHz	1/4	1/2
≧130 MHz, <260MHz	1/1	——
≧260 MHz, <520MHz	1/2	1/1
≧520 MHz, ≦1040MHz	1/4	1/2
>1040MHz	1/8	1/4

FM deviation	Attenuation
0 to 10 kHz	1/10
10.1 to 200 kHz	1/1

Fig. 2-5 Control of FM VCO

2.2.8 A2-A4 LF SYNTHE 9

The block diagram of A2-A4 LF SYNTHE is shown in Fig. 2-6.

A2-A4 LF SYNTHE is the circuit that generates the 10 to 20 MHz signal synchronized to the 10 MHz reference signal in 5 Hz steps.

Two PLL circuits are used here: the PLL circuit (LF1) for generating the 64 to 79.992 MHz (in 8 kHz step) signal, and the PLL circuit (LF2) for generating the 40 to 80 MHz (in 20 Hz step) signal using the interpolating signal of 1/400-divided LF1 output signal.

The LF2 output signal is 1/4-divided to generate 10 to 20 MHz (in 5 Hz step) signal and then supplied to A2-A6 MAIN LOOP.

The output signal frequency of LF1 and LF2 corresponding to the output frequency is shown in Fig. 2-7.

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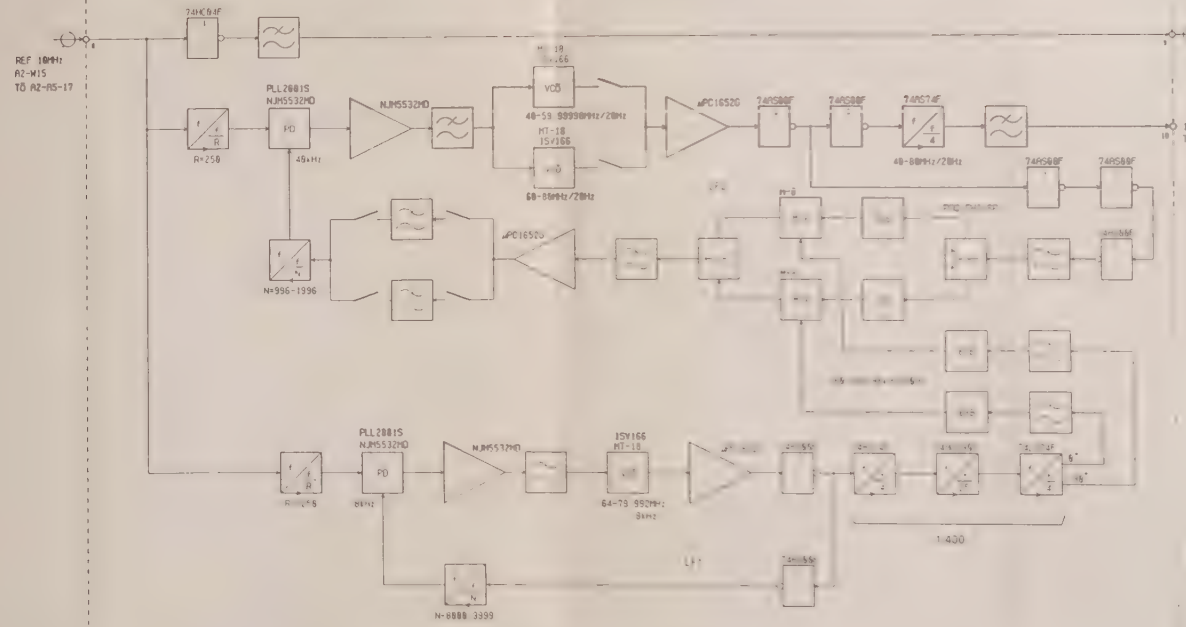

QTY	ITEM	PART No.	DESCRIPTION	MATERIAL	FINISH	NOTE
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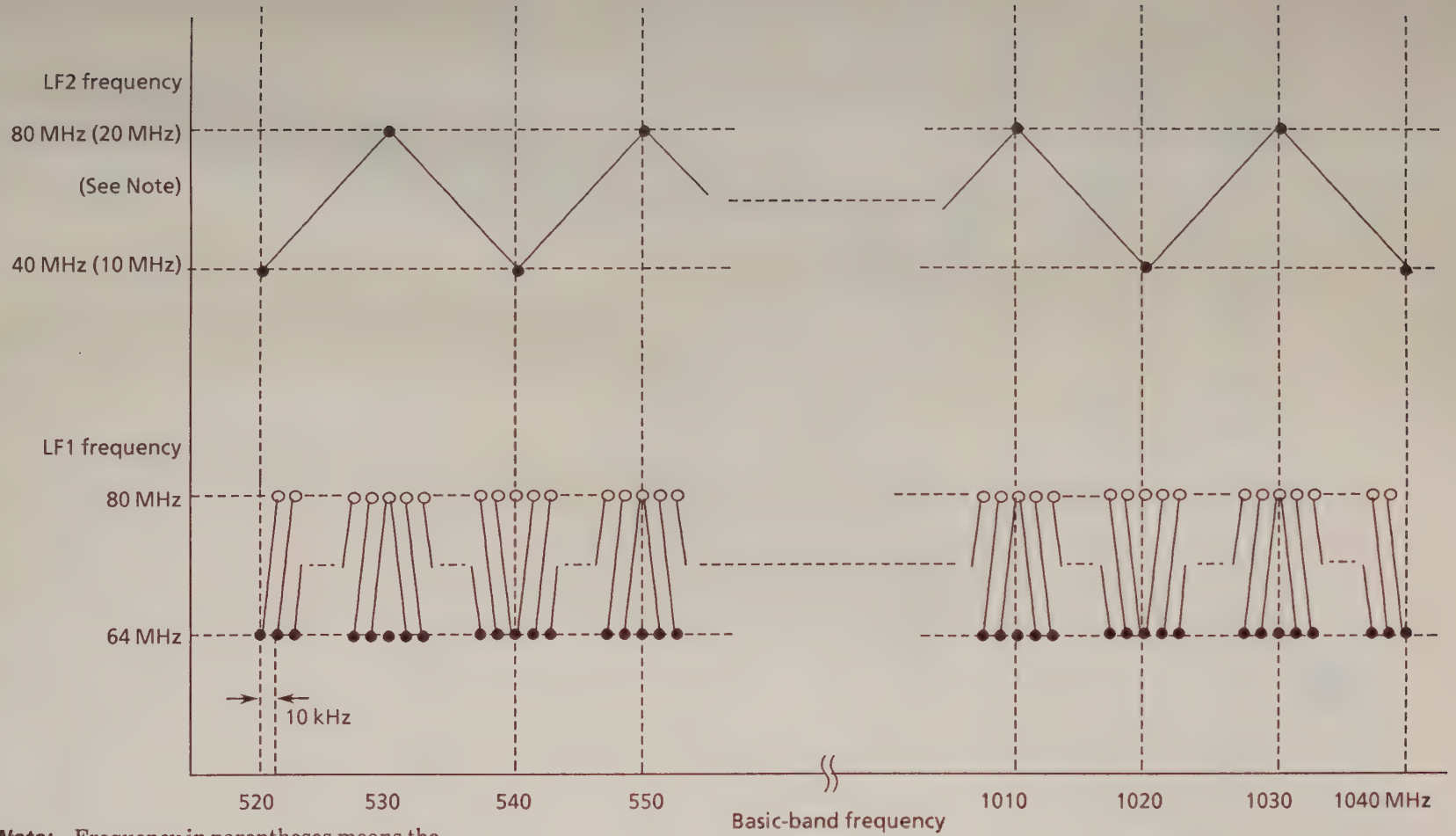
APPROVED BY M. Hashiguchi		DESIGNED BY T. Kisaki				
TITLE F SYNTHE Block Diagram				DRAWING No. 33W32907		1/1

Fig. 2-6

OEP



Note: Frequency in parentheses means the frequency after division.

Fig. 2-7 Frequency Setting of A2-A4 LF SYNTHE

2.2.9 A2-A5 20 MHz STEP 10

The block diagram of A2-A5 20 MHz STEP is shown in Fig. 2-8.

The 620 to 940 MHz signal (in 20 MHz step) based on the 10 MHz reference signal, and the CW or FM modulated 110 MHz signal are generated at A2-A5 20 MHz STEP. These two signals are supplied to A2-A6 MAIN LOOP.

In addition, the 720 MHz signal (used as the beat-band local signal by A2-A7 OUTPUT) is generated here.

Table 2-2 lists the frequencies of the A2-A5 20 MHz STEP output signal corresponding to the output frequencies.

33W32908

APPLICATION

REVISIONS

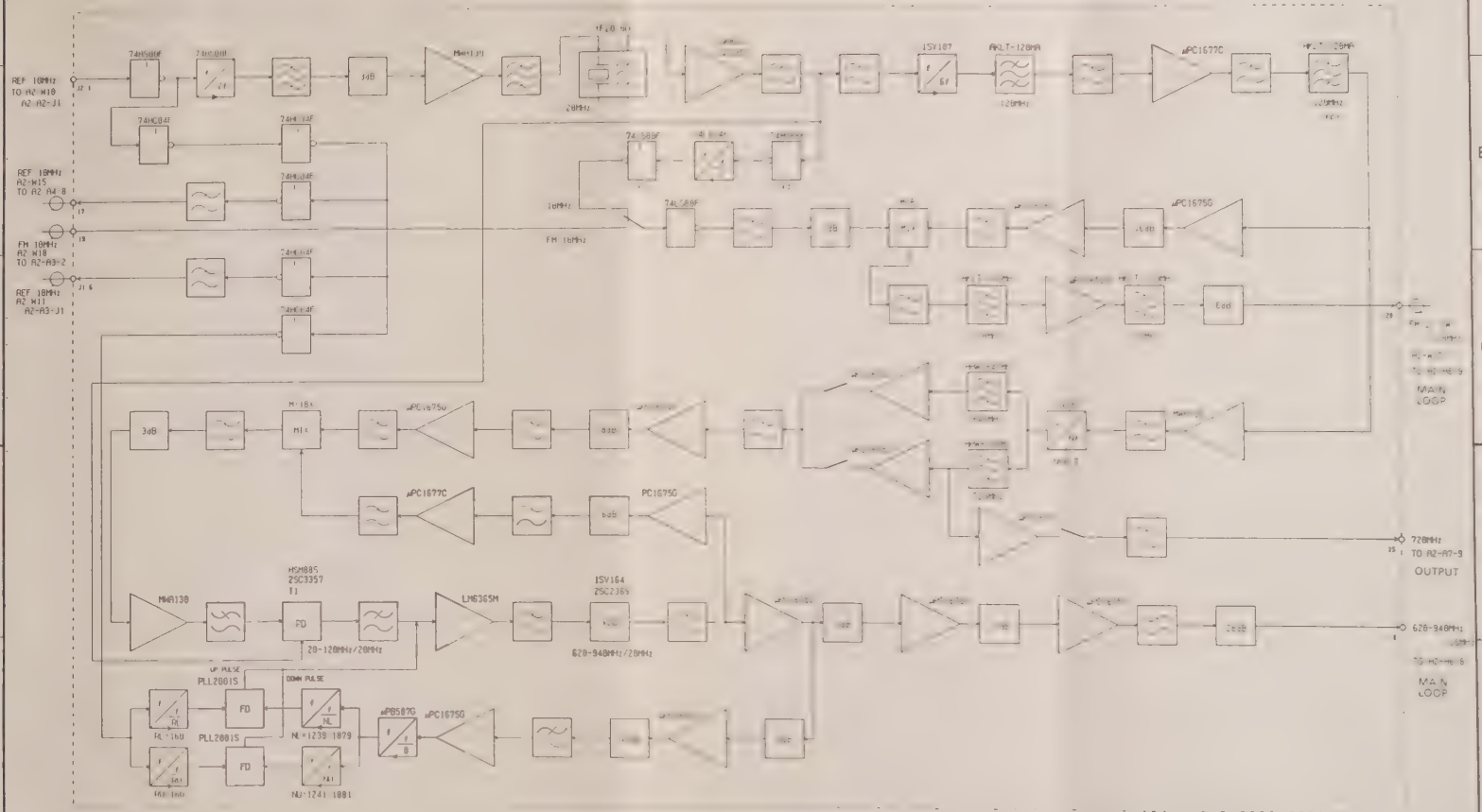


Fig. 2-8

QTY	ITEM	PART No.	DESCRIPTION	MATERIAL	FINISH	NOTE

CHECKED BY J. Kinase
APPROVED BY H. Hashizume
DRAWN BY ALICE
DESIGNED BY T. Kasai
SCALE

TITLE A2-A5 20MHz STEP Block Diagram

DRAWING No. 33W32908

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Table 2-2 Frequency Setting of A2-A5 20 MHz STEP

Basic-band frequency F_{OUT} [MHz]	20 MHz STEP output frequency [MHz]	Output frequency synthesis
520 ≦ F_{OUT} < 530	620	720 − (20 × 5)
530 ≦ F_{OUT} < 540	660	720 − (20 × 3)
540 ≦ F_{OUT} < 550	640	720 − (20 × 4)
550 ≦ F_{OUT} < 560	680	720 − (20 × 2)
560 ≦ F_{OUT} < 570	660	720 − (20 × 3)
570 ≦ F_{OUT} < 580	700	720 − (20 × 1)
580 ≦ F_{OUT} < 590	680	720 − (20 × 2)
590 ≦ F_{OUT} < 600	720	840 − (20 × 6)
600 ≦ F_{OUT} < 610	700	720 − (20 × 1)
610 ≦ F_{OUT} < 620	740	840 − (20 × 5)
620 ≦ F_{OUT} < 630	720	840 − (20 × 6)
630 ≦ F_{OUT} < 640	760	840 − (20 × 4)
640 ≦ F_{OUT} < 650	740	840 − (20 × 5)
650 ≦ F_{OUT} < 660	780	840 − (20 × 3)
660 ≦ F_{OUT} < 670	760	840 − (20 × 4)
670 ≦ F_{OUT} < 680	800	840 − (20 × 2)
680 ≦ F_{OUT} < 690	780	840 − (20 × 3)
690 ≦ F_{OUT} < 700	820	840 − (20 × 1)
700 ≦ F_{OUT} < 710	800	840 − (20 × 2)
710 ≦ F_{OUT} < 720	840	720 + (20 × 6)
720 ≦ F_{OUT} < 730	820	840 − (20 × 1)
730 ≦ F_{OUT} < 740	860	840 + (20 × 1)
740 ≦ F_{OUT} < 750	840	720 + (20 × 6)
750 ≦ F_{OUT} < 760	880	840 + (20 × 2)
760 ≦ F_{OUT} < 770	860	840 + (20 × 1)
770 ≦ F_{OUT} < 780	900	840 + (20 × 3)

Basic-band frequency F_{OUT} [MHz]	20 MHz STEP output frequency [MHz]	Output frequency synthesis
780 ≦ F_{OUT} < 790	880	840 + (20 × 2)
790 ≦ F_{OUT} < 800	700	720 − (20 × 1)
800 ≦ F_{OUT} < 810	680	720 − (20 × 2)
810 ≦ F_{OUT} < 820	720	840 − (20 × 6)
820 ≦ F_{OUT} < 830	700	720 − (20 × 1)
830 ≦ F_{OUT} < 840	740	840 − (20 × 5)
840 ≦ F_{OUT} < 850	720	840 − (20 × 6)
850 ≦ F_{OUT} < 860	760	840 − (20 × 4)
860 ≦ F_{OUT} < 870	740	840 − (20 × 5)
870 ≦ F_{OUT} < 880	780	840 − (20 × 3)
880 ≦ F_{OUT} < 890	760	840 − (20 × 4)
890 ≦ F_{OUT} < 900	800	840 − (20 × 2)
900 ≦ F_{OUT} < 910	780	840 − (20 × 6)
910 ≦ F_{OUT} < 920	820	840 − (20 × 1)
920 ≦ F_{OUT} < 930	800	840 − (20 × 2)
930 ≦ F_{OUT} < 940	840	720 + (20 × 6)
940 ≦ F_{OUT} < 950	820	840 − (20 × 1)
950 ≦ F_{OUT} < 960	860	840 + (20 × 1)
960 ≦ F_{OUT} < 970	840	720 + (20 × 6)
970 ≦ F_{OUT} < 980	880	840 + (20 × 2)
980 ≦ F_{OUT} < 990	860	840 + (20 × 1)
990 ≦ F_{OUT} < 1000	900	840 + (20 × 3)
1000 ≦ F_{OUT} < 1010	880	840 + (20 × 2)
1010 ≦ F_{OUT} < 1020	920	840 + (20 × 4)
1020 ≦ F_{OUT} < 1030	900	840 + (20 × 3)
1030 ≦ F_{OUT} ≦ 1040	940	840 + (20 × 5)

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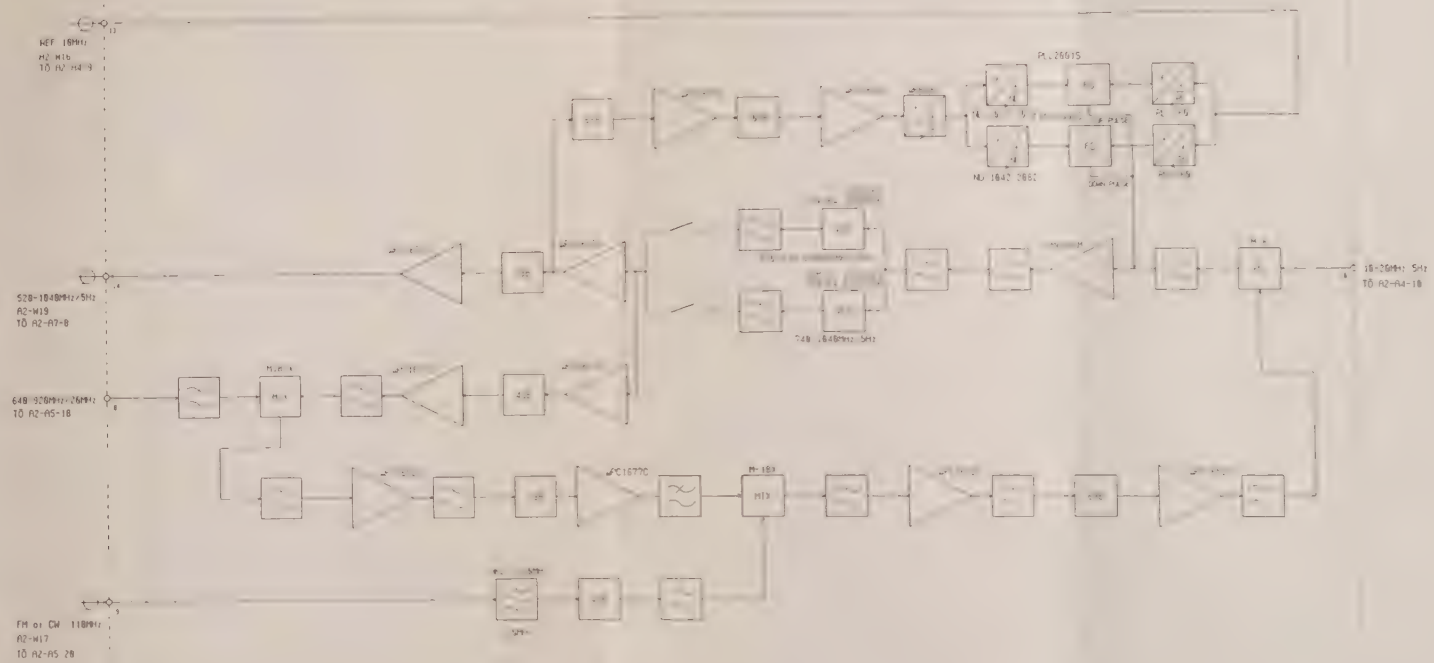
33W32909

APPLICATION

REVISIONS



QTY	ITEM	PART No.	DESCRIPTION	MATERIAL	FINISH	NOTE

CHECKED BY T.Kisaki	DRAWN BY ALICE	SCALE
APPROVED BY	DESIGNED BY T.Kisaki	
TITLE A2-A6 MAIN LOOP Block Diagram		DRAWING No 33W32909

Fig. 2-9

DEP

2.2.10 A2-A6 MAIN LOOP 11

The block diagram of A2-A6 MAIN LOOP is shown in Fig. 2-9.

At A2-A6 MAIN LOOP, the 10 MHz and 10 to 20 MHz (in 5 Hz step) signals from A2-A4 LF SYNTHE, and the 110 MHz and 640 to 920 MHz (in 20 MHz step) signals from A2-A5 20 MHz STEP are used to synthesize the 520 to 1040 MHz signal (in 5 Hz step) of the basic band.

The frequency range is covered with the two bands (520 to 739.999995 MHz and 740 to 1040 MHz) here using the two respective VCOs.

Table 2-3 lists the frequencies of the A2-A6 MAIN LOOP output signals corresponding to the output frequencies.

Table 2-3 A2-A6 MAIN LOOP Frequency Settings

Output frequency (Fo)	A2-A6 MAIN LOOP output frequency (Fmain)
Fo < 130 MHz	Fmain = Fo + 720 MHz
130 MHz ≦ Fo < 260 MHz	Fmain = Fo × 4
260 MHz ≦ Fo < 520 MHz	Fmain = Fo × 2
520 MHz ≦ Fo ≦ 1040 MHz	Fmain = Fo
1040 MHz < Fo	Fmain = Fo /2

2.2.11 A2-A7 OUTPUT 12

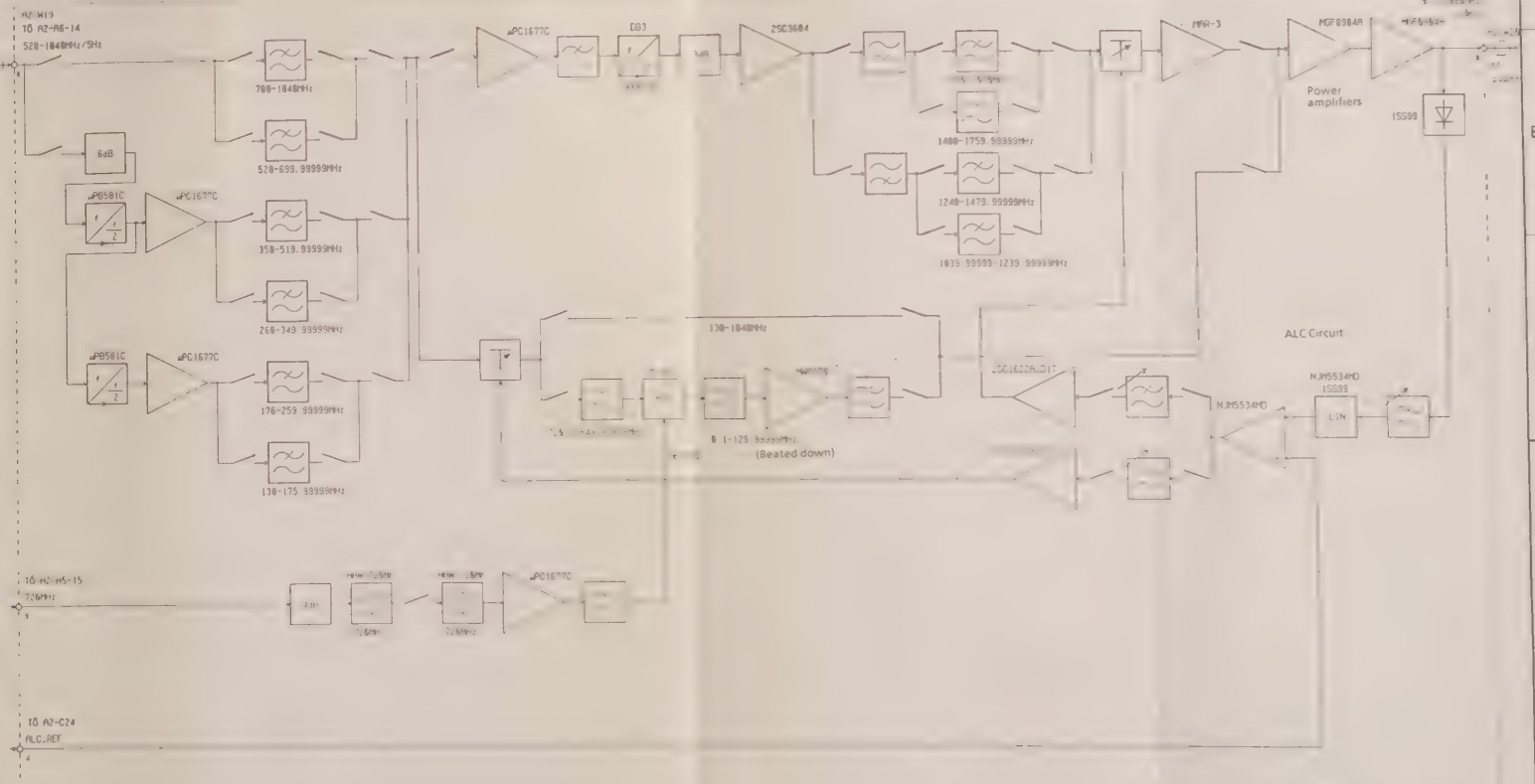
The block diagram of A2-A7 OUTPUT is shown in Fig. 2-10.

The basic band signal (520 to 1040 MHz, in 5 Hz step) from A2-A6 MAIN LOOP is multiplied, divided and beated-down to generate the final frequency range of 0.1 to 2080 MHz at A2-A7 OUTPUT.

This signal is amplified by a power amplifier, and the level is stabilized and controlled by an ALC circuit to allow an output level range of -20 to $+13$ dBm with a resolution of 0.1 dB.

Amplitude modulation is also performed along with the level control by the ALC circuit.

The A2-A7 OUTPUT level diagram is shown in Fig. 2-11; the relationship between the output-level set value and the power-amplifier output level is shown in Fig. 2-12.



QTY	ITEM	PART No.	DESCRIPTION	MATERIAL	FINISH	NOTE
CHECKED BY	J Kinase	DRAWN BY	HLICE	SCALE		
APPROVED BY		DESIGNED BY	T Nishiki			
TITLE	H2-H7 OUTPUT Block			DRAWING No.	33W32910	

Fig. 2-10

33W32916

APPLICATION

REVISIONS

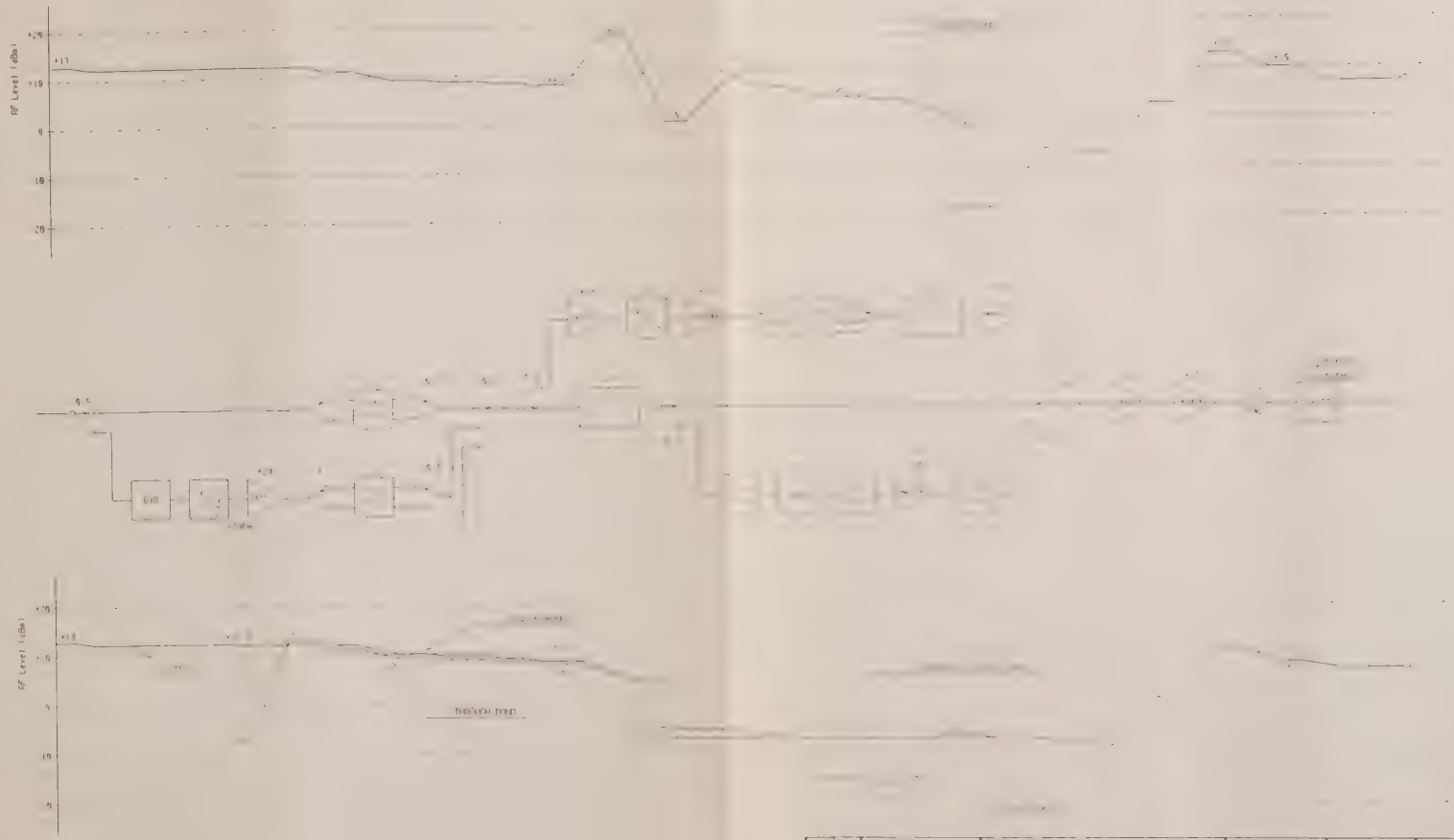
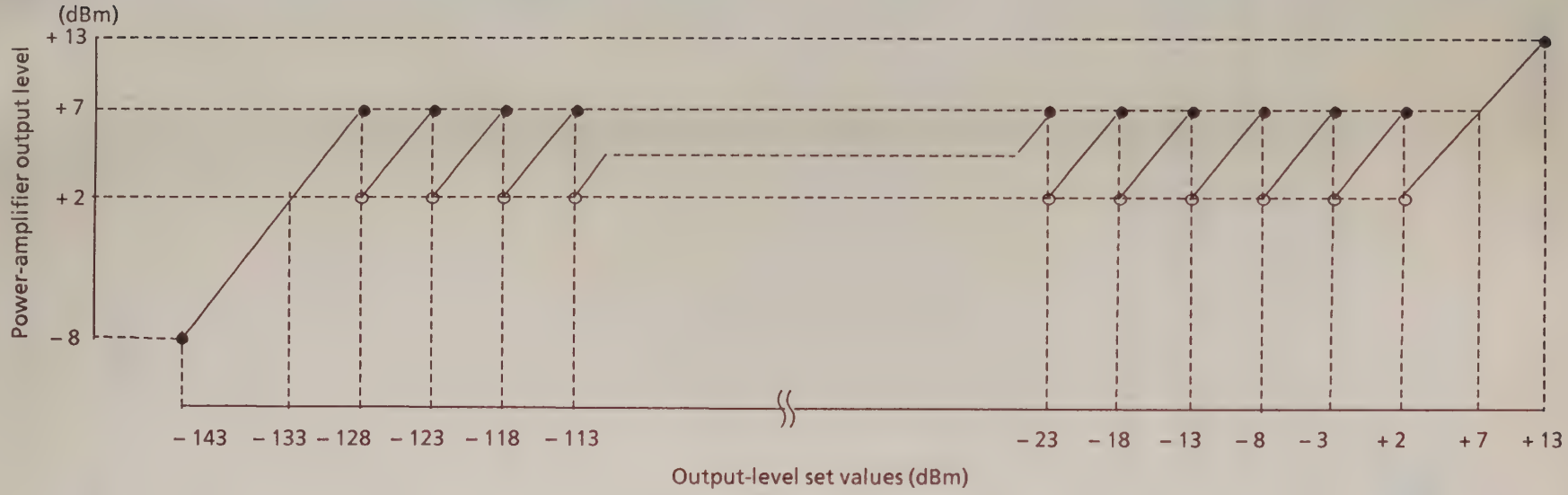


Fig. 2-11

QTY	ITEM	PART No.	DESCRIPTION	MATERIAL	FINISH	NOTE
CHECKED BY		DRAWN BY ALICE		SCALE		
APPROVED BY		DESIGNED BY J.Hinase				
TITLE 87-87 OUTPUT				DRAWING No 33W32916		

DEP

ANRITSU CORP.



Note: This graph does not consider the losses of the P-ATT and RPP (Reverse Power Protector), etc. so the actual power-amplifier output level is about 2 to 4 dB larger than the level in this figure.

Fig. 2-12 Relationship between Output-Level Set Values and Power-Amplifier Output Level

2.2.12 A2-A10 ATT DRIVE 13

The block diagram of A2-A10 ATT DRIVE is shown in Fig. 2-13.

A2-A10 ATT DRIVE is a circuit that drives the attenuator relays based on the programmable-ATT attenuation setting data in accordance with the output-level set values. Table 2-4 shows the relationship between the output-level set values and the P-ATT setting.

In addition, A2-A10 ATT DRIVE also has a control circuit for the Reverse Power Protector (RPP).

When the detected voltage of a power sensor in the P-ATT rises above a fixed level, the comparator and flip-flop circuit operate to drive the P-ATT section relays to open the P-ATT for protection.

The RPP is reset by a negative-logic pulse signal from A2-A15 INTERFACE.

33W32911

APPLICATION

REVISIONS

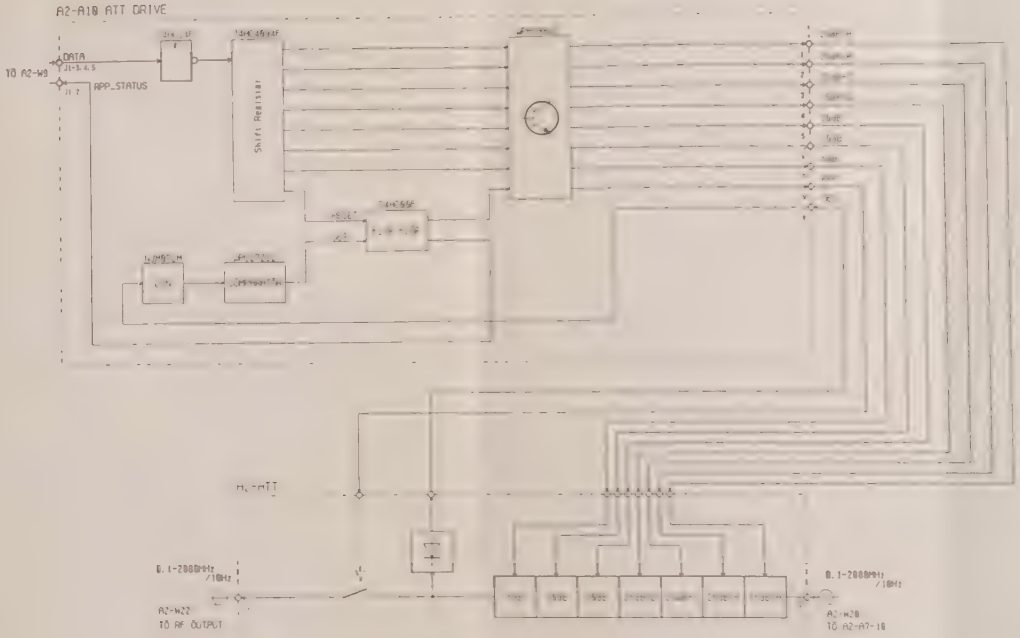


Fig. 2-13

QTY	ITEM	PART No.	DESCRIPTION	MATERIAL	FINISH	NOTE
CHECKED BY	J.Kimata	DRAWN BY	HITE	SCALE		
APPROVED BY		DESIGNED BY				
TITLE	A2-A10 ATT DRIVE Block Diagram			DRAWING No	33W32911	1/1

DEP

Table 2-4 P-ATT Setting

Output level [dBm]	Overall attenuation [dB]	25 dB A	25 dB B	25 dB C	25 dB D	20 dB	10 dB	5 dB
+13 to +2.1	0	–	–	–	–	–	–	–
+2 to +2.9	5	–	–	–	–	–	–	○
−3 to −7.9	10	–	–	–	–	–	○	–
−8 to −12.9	15	–	–	–	–	–	○	○
−13 to −17.9	20	–	–	–	–	○	–	–
−18 to −22.9	25	○	–	–	–	–	–	–
−23 to −27.9	30	○	–	–	–	–	–	○
−28 to −32.9	35	○	–	–	–	–	○	–
−33 to −37.9	40	○	–	–	–	–	○	○
−38 to −42.9	45	○	–	–	–	○	–	–
−43 to −47.9	50	○	○	–	–	–	–	–
−48 to −52.9	55	○	○	–	–	–	–	○
−53 to −57.9	60	○	○	–	–	–	○	–
−58 to −62.9	65	○	○	–	–	–	○	○
−63 to −67.9	70	○	○	–	–	○	–	–
−68 to −72.9	75	○	○	○	–	–	–	–
−73 to −77.9	80	○	○	○	–	–	–	○
−78 to −82.9	85	○	○	○	–	–	○	–
−83 to −87.9	90	○	○	○	–	–	○	○
−88 to −92.9	95	○	○	○	–	○	–	–
−93 to −97.9	100	○	○	○	○	–	–	–
−98 to −102.9	105	○	○	○	○	–	–	○
−103 to −107.9	110	○	○	○	○	–	○	–
−108 to −112.9	115	○	○	○	○	–	○	○
−113 to −117.9	120	○	○	○	○	○	–	–
−118 to −122.9	125	○	○	○	○	○	–	○
−123 to −127.9	130	○	○	○	○	○	○	–
−128 to −143	135	○	○	○	○	○	○	○

○: ATT ON

2.2.13 A2-A12 MODULATION 14

The block diagram of A2-A12 MODULATION is shown in Fig. 2-14.

A2-A12 MODULATION generates a low-frequency modulation signal for the AM and FM modulation.

In addition, the ALC reference signal used by A2-A7 OUTPUT is also generated here.

A2-A12 MODULATION roughly is composed of the following four circuits.

(1) Internal modulation-signal generator circuit

The 400-Hz/1-kHz sine-wave modulation signals are obtained by dividing the output frequency of the 16 MHz crystal oscillator by 1/40000 or 1/16000, and by removing the distortion with an LPF.

(2) External modulation-signal input circuit

The low-frequency external modulation signal (input to the front-panel MOD INPUT connector) is terminated by a 600 Ω resistor, and amplified by operational amplifiers.

AC/DC COUPLE switching is performed by a relay. In addition, ±POLARITY switching is performed by the 2nd-stage operational amplifier.

An appropriate level for the external modulation signal is determined by a peak detector and a level comparator, and the results lit the level indicators on the front panel.

(3) Synthesis circuit for modulation signal

The internal and external modulation signals are combined based on the INT/EXT setting status of the modulation signal, and the combined signal is input to a D/A converter for modulation-factor setting.

(4) ALC-reference-signal generator circuit

The high-stable DC voltage is adjusted by a D/A converter (for setting the output level) and another D/A converter (for calibrating the output level), and is supplied as the ALC reference signal to A2-A7 OUTPUT.

At amplitude modulation, the AM modulation signal is superimposed on the ALC reference signal.

33W32912

APPLICATION

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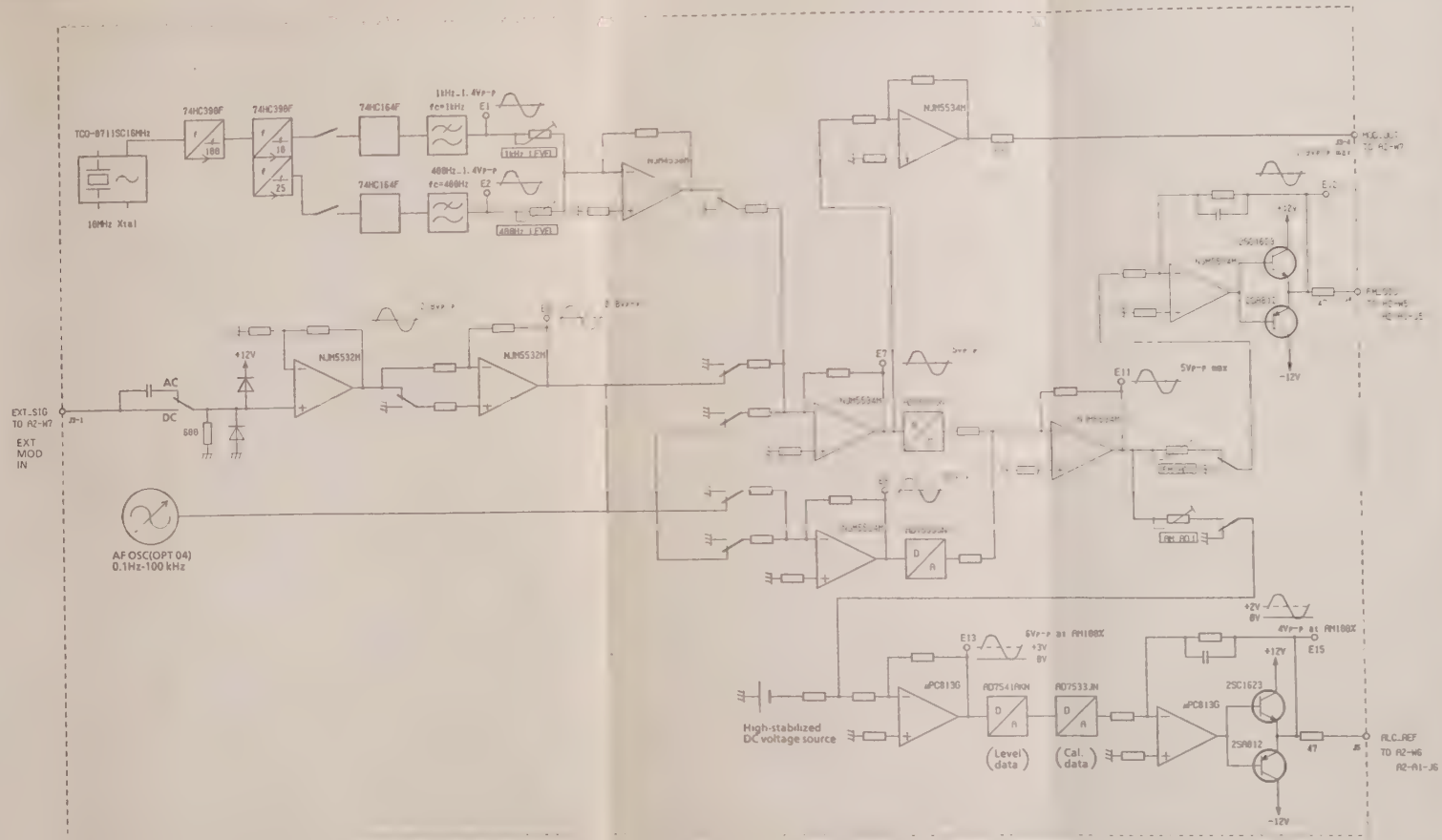

QTY	ITEM	PART No.	DESCRIPTION	MATERIAL	FINISH	NOTE

CHECKED BY T.Kinase	DRAWN BY ALICE	SCALE :	
APPROVED BY M.Hashizume	DESIGNED BY T.Kisaki		
TITLE A2-A12 MODULATION Block Diagram		DRAWING No. 33W32912	

DEP

Fig. 2-14

2.2.14 A2-A13 POWER SUPPLY 15

The block diagram of A2-A13 POWER SUPPLY is shown in Fig. 2-15.

The AC voltages from the power transformer are rectified, smoothed and stabilized here; and the following eight DC voltages are supplied to each circuit.

1.	+5 V-D	Mainly for digital circuits
2.	+5 V-A	Mainly for analog circuits
3.	+3 V	For LEDs on A1 PANEL UNIT
4.	+12 V-M	For driving P-ATT and fan, etc.
5.	+12 V-A	For analog circuits
6.	−15 V	For AUX terminal
7.	−12 V	For analog circuits
8.	+24 V	For analog circuits

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33W32913

APPLICATION

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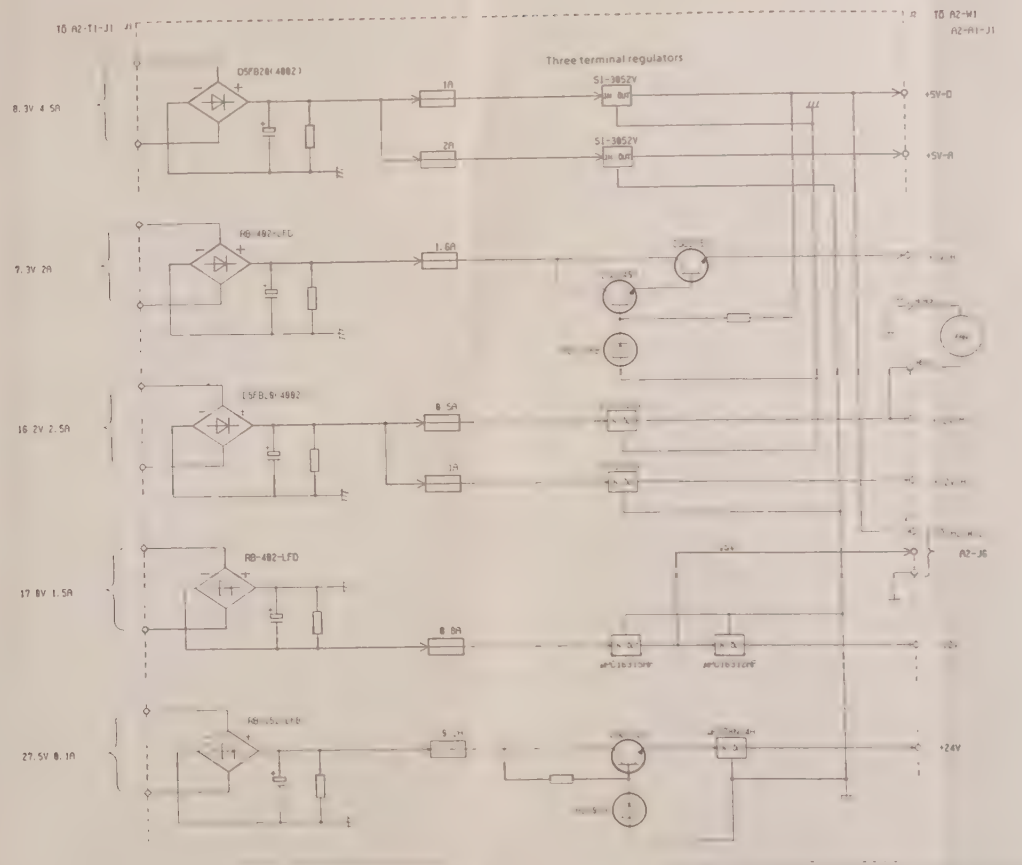

QTY	ITEM	PART No.	DESCRIPTION	MATERIAL	FINISH	NOTE

CHECKED BY J Kinase	DRAWN BY ALICE	SCALE	
APPROVED BY	DESIGNED BY T.Kisaki		
TITLE A2 +1: POWER SUPPLY Block Diagram		DRAWING No. 33W32913	1/1

DEP

Fig. 2-15

2.2.15 A2-A14 CPU 16, A2-A15 INTERFACE 17

The block diagrams of A2-A14 CPU and A2-A15 INTERFACE are shown in Fig. 2-16.

A2-A14 CPU is composed of a 16-bit CPU, ROMs, RAMs, E^2PROMs (for frequency-characteristics calibration data), timer, and back-up battery. The RAMs are backed-up by a battery even if the power is turned OFF.

A2-A15 INTERFACE is composed of interfaces for each circuit, a GP-IB interface, and a power-fail detection circuit. The data transmission for each circuit uses the serial transmission method.

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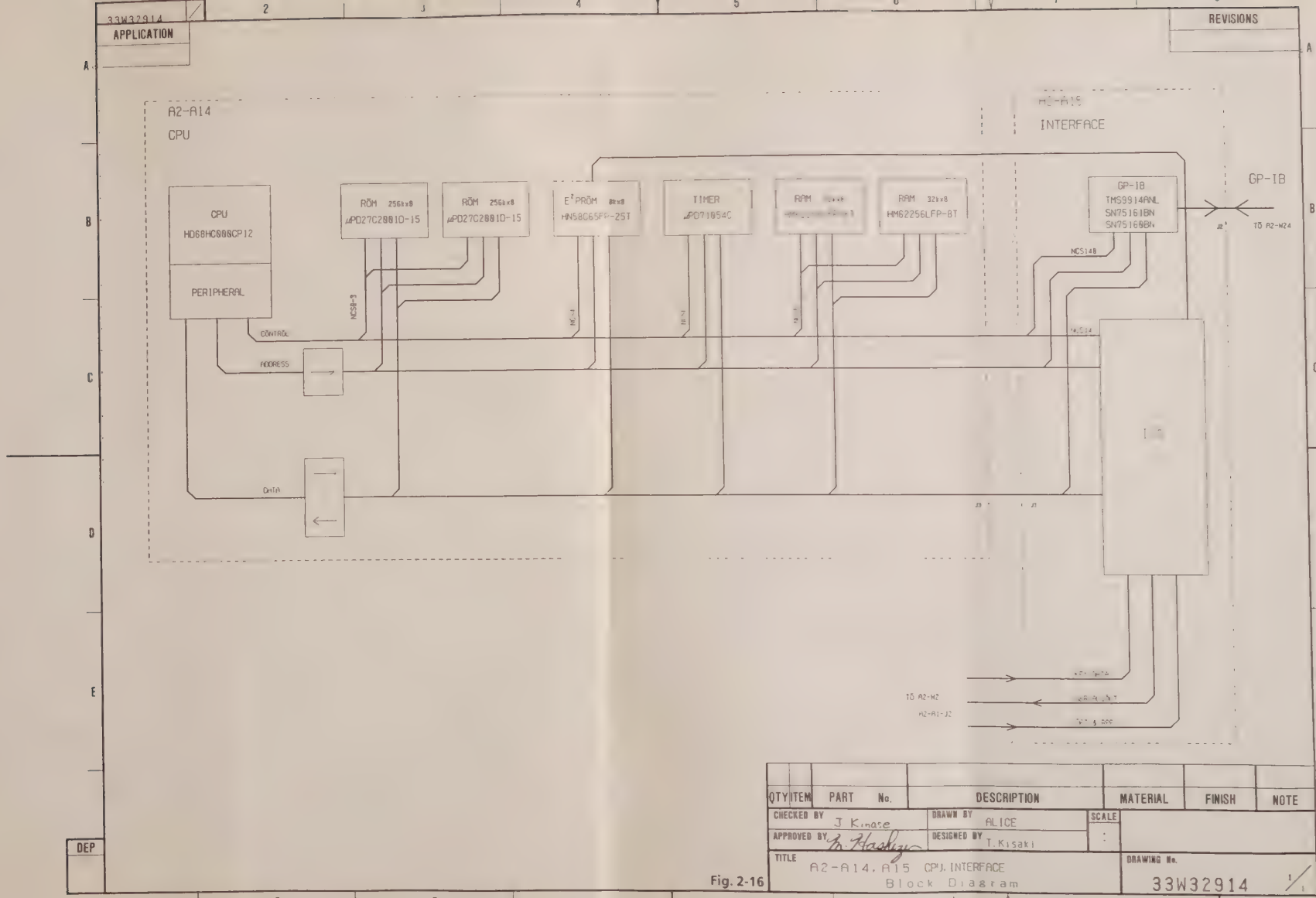
33W32914
APPLICATION
REVISIONS
A2-A14
CPU
A0-A15
INTERFACE
CPU
HD68HC000CP12
PERIPHERAL
ROM 256kx8
μPD27C2001D-15
ROM 256kx8
μPD27C2001D-15
E²PROM 8kx8
HN58C65FP-25T
TIMER
μPD71054C
RAM 32kx8
HM62256LFP-8T
GP-IB
TMS9914ANL
SN75161BN
SN75160BN
GP-IB
TO A2-M24
CONTROL
ADDRESS
DATA
TO A2-M2
A2-A1-J2
DEP
QTY ITEM PART No.
DESCRIPTION
MATERIAL
FINISH
NOTE
CHECKED BY J. Kinase
APPROVED BY
DRAWN BY ALICE
DESIGNED BY T. Kisaki
SCALE
TITLE
A2-A14, A15 CPU, INTERFACE
Block Diagram
DRAWING No.
33W32914
ANRITSU CORP.

Fig. 2-16

2.2.16 A3 STD UNIT 18, A3-A1 STD POWER 19 (Options 01 to 03)

The block diagrams of A3 STD UNIT is shown in Fig. 2-17.

A3 STD UNIT is composed of a dedicated transformer, a rectifier, a 12 V three-terminal voltage regulator, and a high-stable 10 MHz crystal oscillator.

The stability of the crystal oscillator depends on the option number.

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33W32915

APPLICATION

REVISIONS

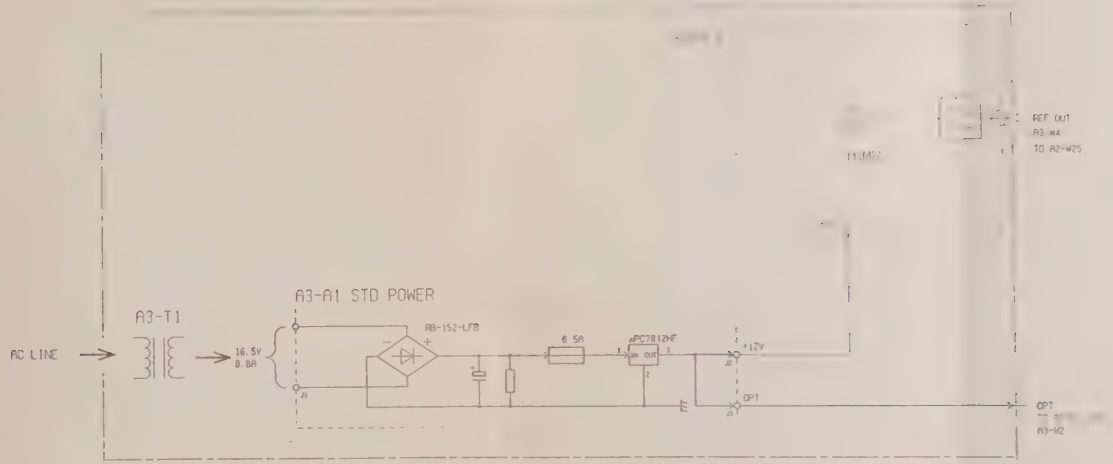


Fig. 2-17

QTY	ITEM	PART No.	DESCRIPTION	MATERIAL	FINISH	NOTE
CHECKED BY J.Kinase		DRAWN BY ALICE		SCALE		
APPROVED BY M.Yoshiza		DESIGNED BY T.Kisaki				
TITLE A3 STD UNIT(OPT01~03) Block Diagram				DRAWING No. 33W32915		

DEP

SECTION 3
TROUBLESHOOTING AND REPAIR

3.1 Introduction

This section explains how to troubleshoot the MG3631A/MG3632A when a fault occurs.

Paragraph 3.7 provides the flowcharts corresponding to the faulty symptoms for locating the faulty point.

Paragraph 3.8 describes the special functions used for maintenance.

3.2 Checking and Replacing Parts

3.2.1 Explanation of identification markings on the PC board

Figure 3-1 shows a typical PC-board number (with revision number), PC-board name and test-point name location.

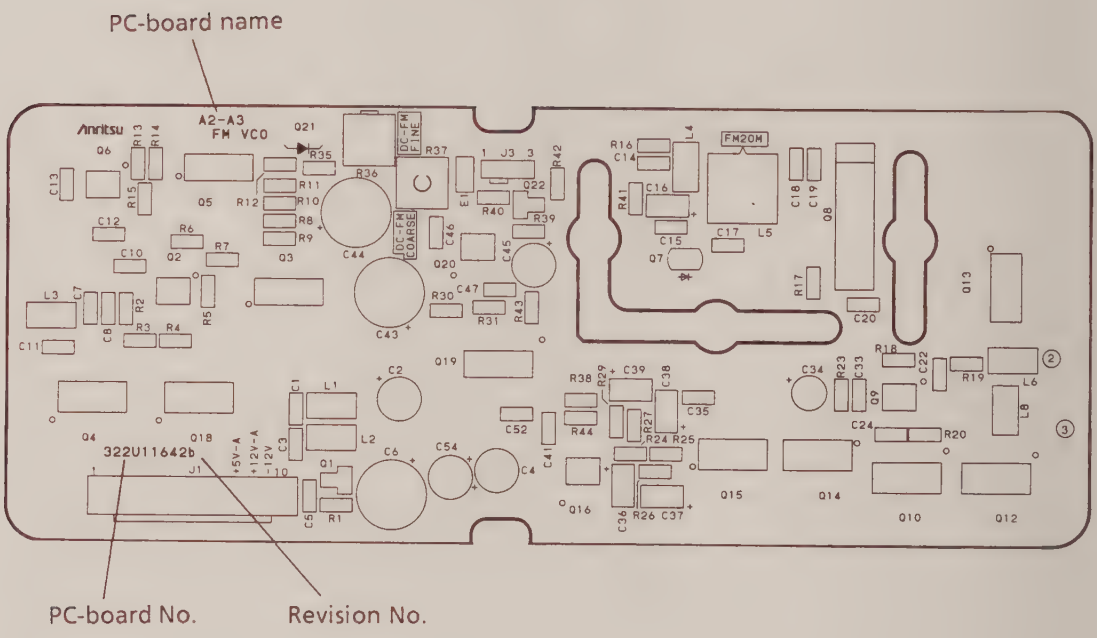


Fig. 3-1 PC-Board Identification Markings

3.2.2 Notes on soldering

1. Use an ordinary 30 to 40-watt pencil-type soldering iron.
2. Be sure to use an insulated soldering iron. The part may be damaged if an uninsulated soldering iron is used.
3. When removing a soldered component from a circuit board or when soldering in a new component, grasp the pins of the component being soldered with the tweezers to shunt the heat.
4. The tips of the pins of the major components are bent behind the PC board to ensure tight fit. To remove a component, first straighten the tips of the pins and then remove the component.

3.2.3 Transistor and diode check

(1) Checking transistors mounted on the PC board

Transistors can be checked for acceptable quality in the operating state by measuring the base and emitter potentials. The NPN-type silicon transistor has a base potential that is 0.6 or 0.7 V higher than the emitter potential. In the PNP-type silicon transistor, the base is 0.6 or 0.7 V lower than the emitter. Transistors are, therefore, faulty if these relationships are not satisfied.

(2) Checking transistors not mounted on the PC board

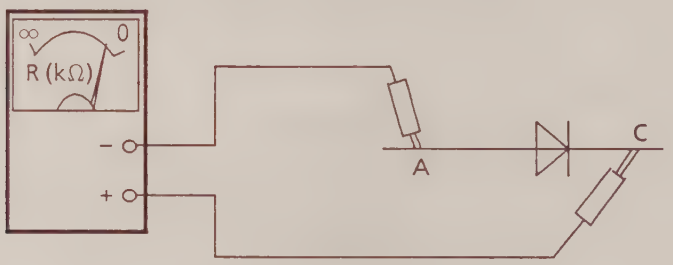
Transistors can be checked by measuring the resistances of the emitter, base, and collector with a circuit tester. Standard values are given in Table 3-1. Note that this check should be performed with measuring currents of less than 100 μA.

Table 3-1 Testing Transistors Not Mounted on the PC Board

Type of transistor	Connector Ohmmeter		Resistance to be measured (ohms)
	Positive lead to	Negative lead to	
PNP silicon	Emitter, Collector	Base	1 to 10 k
	Emitter	Collector	Very high
NPN silicon	Base	Emitter, Collector	1 to 10 k
	Emitter	Collector	Very high

(3) Checking diodes not mounted on the PC board

Diodes can be checked by measuring the directional resistances between the anode and cathode and the cathode and anode. If the resistance between the anode and cathode (A-C) is high while the resistance between the C-A is low when measured with an ohmmeter as shown in Fig. 3-2, the diode is normal.

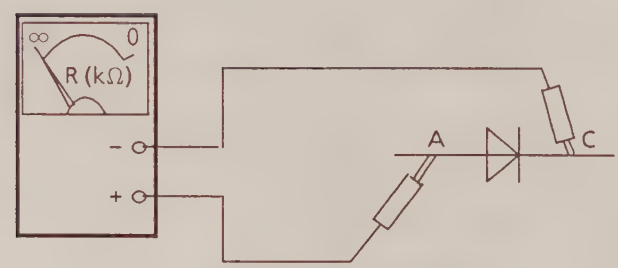


Example: 1S953

A-C: ∞

C-A: ≒9 kΩ

(1) Between C-A



(2) Between A-C

Fig. 3-2 Diode Check

3.2.4 Level check

The symbols used on the troubleshooting diagrams in this section have the following meanings.

+5 dBm: The level measured by a spectrum analyzer terminated at 50 Ω.

When removing a dc component, serially connect a capacitor to the probe cable at the place where the dc voltage is to be applied.

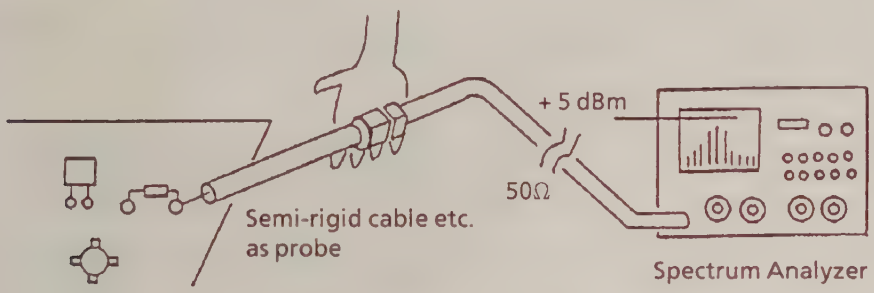


Fig. 3-3 Checking the Circuit with a Spectrum Analyzer

When a connector is used for measurement, its input level is the same as that which would occur if the connector was removed and the signal was input to the spectrum analyzer.

5 Vp-p: Measuring the level with an oscilloscope at high impedance. (>1 MΩ//10 pF)

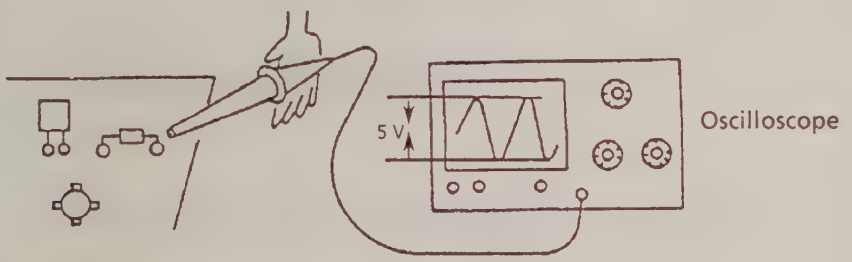


Fig. 3-4 Checking with an Oscilloscope

3.3 Service Kits

Table 3-2 describes the composition of the service kits (sold separately). The ordering number for service kits is 34Y100832.

Table 3-2 Service Kits (Sold separately)

(Units: mm)

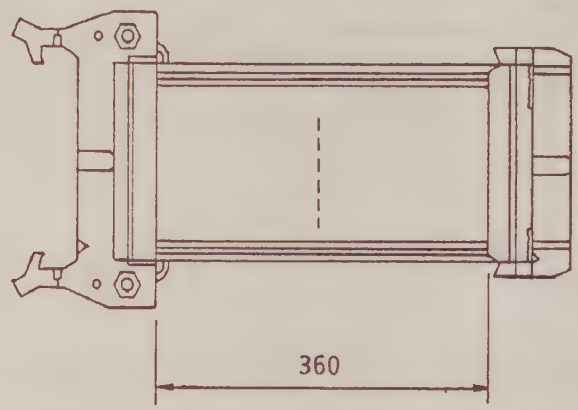
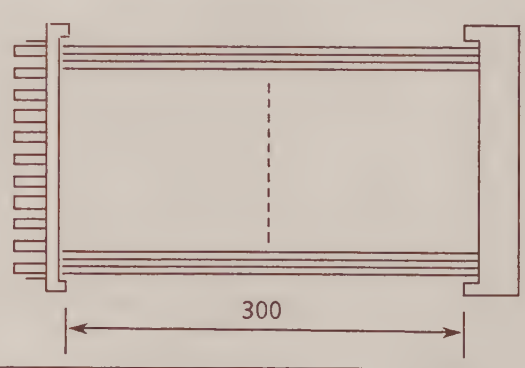
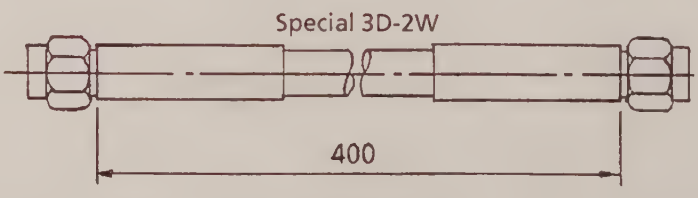
No.	Name	Configuration	Drawing No.
1	Extender Cable 1	HIF3-20PD-2.54R/HIF3BA-20D-2.54R-CL 	44J95055D
2	Extender Cable 2	PICD-26S-DT1-N/PICD-26P-DT4-N 	349J100833
3	Extender Cable 3	HRM202B HRM202B 	449J25501K

Table 3-2 Service Kits (Sold separately) (Cont'd)

(Units: mm)

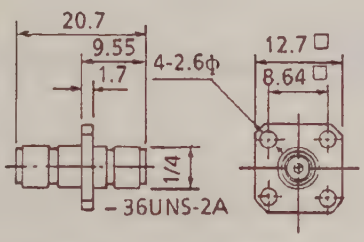
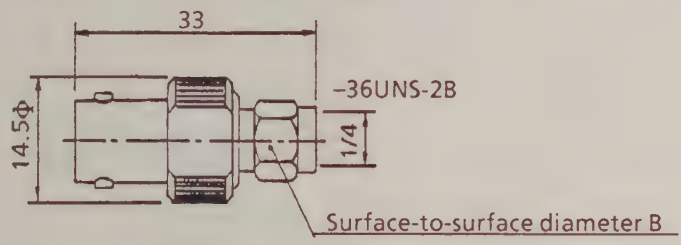
No.	Name	Configuration	Drawing No.
4	Conversion adaptor 1 SMAJ-SMAJ	HRM513S 	
5	Conversion adaptor 2 SMAP-BNCJ	HRM517 	
6	Adjustment bar 1	 2.6 × 0.4	
7	Adjustment bar 2	 1.2 × 0.65, 1.4 × 0.75 1.4, 1.5; 2.6, 2.7	
8	Adjustment bar 3	 1.0 × 0.9 1.93, 2.0, 2.6, 2.65	

Table 3-2 Service Kits (Sold separately) (Cont'd)

(Units: mm)

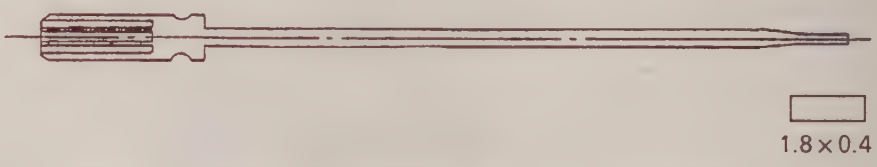
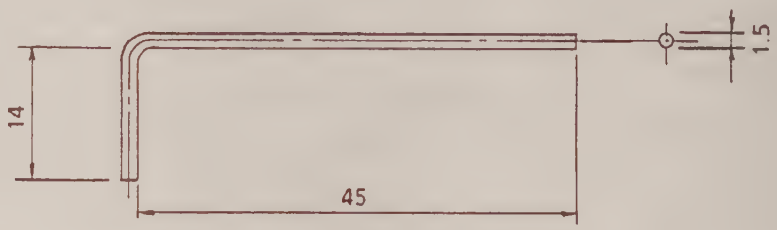
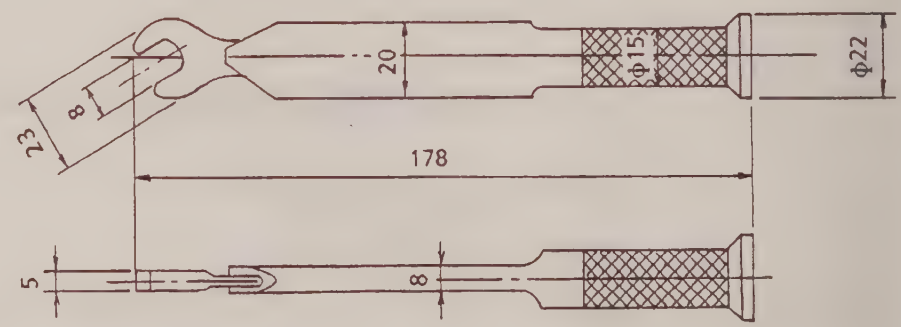
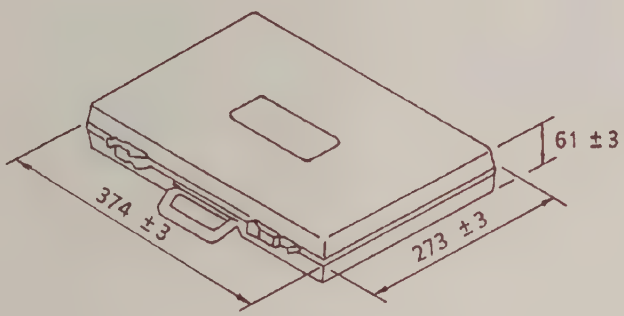
No.	Name	Configuration	Drawing No.
9	Adjustment bar 4		
10	Adjustment bar 5		
11	Torque wrench		34B35154

Table 3-2 Service Kits (Sold separately) (Cont'd)

(Units: mm)

No.	Name	Configuration	Drawing No.
12	Frequency Response Compensation Software		34Y100834
13	Carrying case		33B24396

3.4 Equipment Required for Troubleshooting and Repair

Table 3-3 describes the list of equipment required for troubleshooting and repair.

Table 3-3 Equipment Required for Troubleshooting and Repair

Instrument (Anritsu)	Required Performance Characteristics
Frequency counter (MF1603A)	10 Hz to 2.08 GHz
Spectrum analyzer (MS612A)	100 kHz to 2.08 GHz
AC/DC voltmeter	AC: 250 V, DC: −30 to +50V
Oscilloscope	Up to 200 MHz
Power meter (ML4803A, MA4601A)	100 kHz to 2.08 GHz −20 to +20 dBm
Modulation analyzer (MS616B)	100 kHz to 2.08 GHz AM90%, FM200 kHz
AF oscillator	10 Hz to 100 kHz 2 Vp-p/600 Ω

3.5 Circuit References

All PC boards for the MG3631A/MG3632A have a code starting with "A" followed by a number. Table 3-4 lists PC-board names with their A code.

Table 3-4 Circuit Names and Reference

Schematic No.	"A" No.	Name	Circuit diagram No.	Parts list No.	PC board No.
1		MG3631A/MG3632A	33W32409	34W99290	—
2	A1	PANEL UNIT	33W32410	34W99291	—
3	A1-A1	PANEL1	33W32411	34W99292	322U11634a
4	A1-A2	PANEL2	33W32412	34W99293	322U11634b
5	A2	SG UNIT	33W32415	34W99296	—
6	A2-A1	BUFFER	33W32416	34W99297	322U11638
7	A2-A2	REFERENCE	33W32417	34W99298	322U11642a
8	A2-A3	FM-VCO	33W32418	34W99299	322U11642b
9	A2-A4	LF SYNTHE	33W32419	34W99300	332U32490
10	A2-A5	20 MHz STEP	33W32420	34W99301	322U11640
11	A2-A6	MAIN LOOP	33W32421	34W99302	322U11642c
12	A2-A7	OUTPUT	33W32422	34W99303	322U11644
13	A2-A10	ATT DRIVE	33W32426	34W99307	332U32492
14	A2-A12	MODULATION	33W32428	34W99309	322U11648
15	A2-A13	POWER SUPPLY	33W32429	34W99310	332U32494

Table 3-4 Circuit Names and Reference (Continued)

Schematic No.	"A" No.	Name	Circuit diagram No.	Parts list No.	PC board No.
16	A2-A14	CPU	33W32430	34W99612	322U11646a
17	A2-A15	INTERFACE	33W32431	34W99613	322U11646b
18	A3	STD UNIT (OPT 01)	33W32501	34W99502	———
		STD UNIT (OPT 02)		34W99503	
		STD UNIT (OPT 03)		34W99504	
19	A3-A1	STD POWER (OPT 01 to 03)	33W32502	34W99505	342U99750
20	A2-A12-A1	AF OSC (OPT 04)	33W28823	34W91051	342U91274

3.6 Overall Troubleshooting

3.6.1 Outline of troubleshooting procedure

Figure 3-5 outlines the troubleshooting procedure.

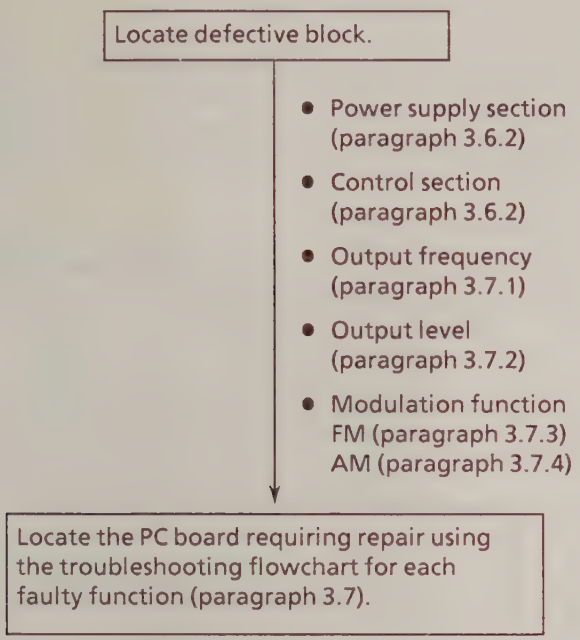

Locate defective block.
• Power supply section (paragraph 3.6.2)
• Control section (paragraph 3.6.2)
• Output frequency (paragraph 3.7.1)
• Output level (paragraph 3.7.2)
• Modulation function FM (paragraph 3.7.3) AM (paragraph 3.7.4)
Locate the PC board requiring repair using the troubleshooting flowchart for each faulty function (paragraph 3.7).

Fig. 3-5 Outline of Repair Procedure

3.6.2 Locating the defective block

Use Fig. 3-6 to find the faulty block (power supply, control, etc.).

When using the flowchart in Fig. 3-6, note that if a block operates abnormally, then all subsequent blocks will also operate abnormally.

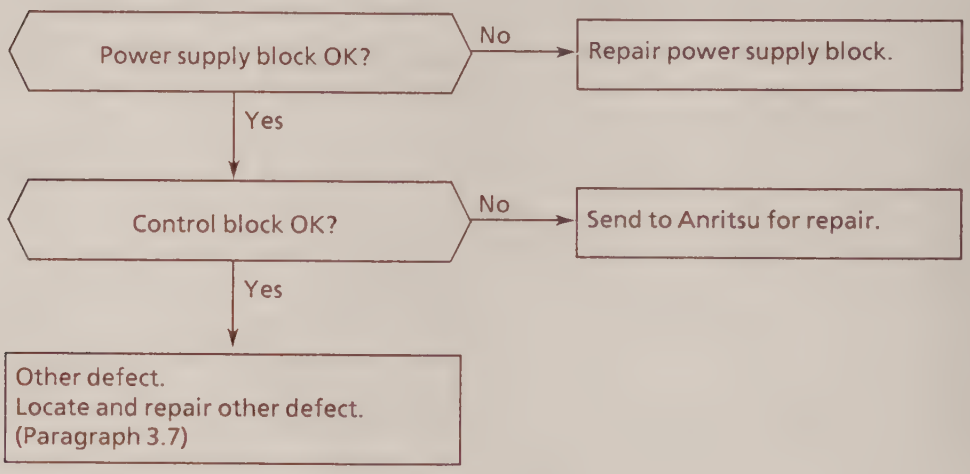


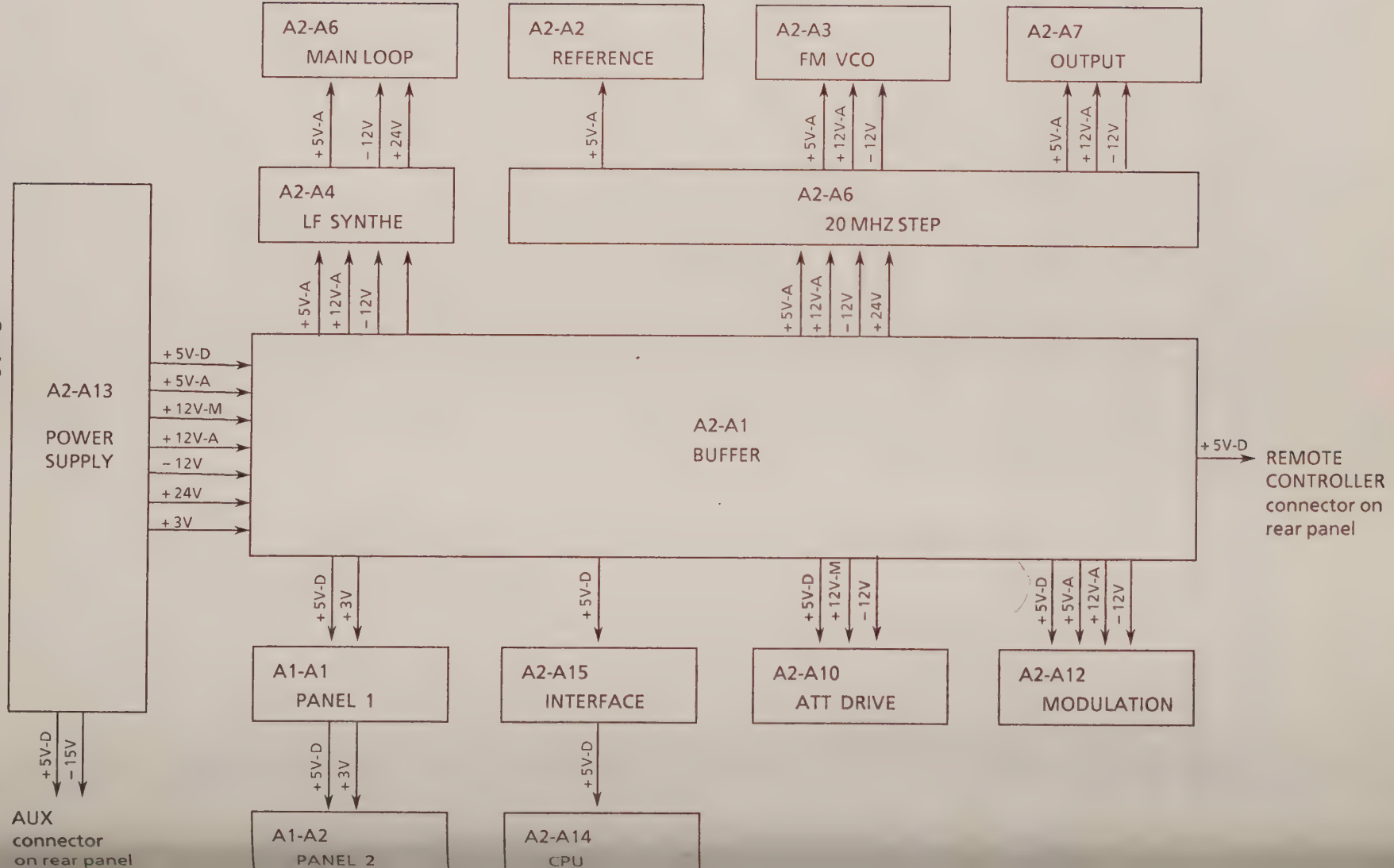
Fig. 3-6 Flowchart for Locating Defective Block

(1) Checking DC power supply

The DC power supplies used by the instrument are generated by A2-A13 POWER SUPPLY. The supply routes to each PC board are shown in Fig. 3-7. There are eight DC power supplies: +5 V-D, +5 V-A, +3 V, +12 V-M, +12 V-A, −15 V, −12 V, and +24 V.

When a fault is diagnosed in A2-A13 POWER SUPPLY; first, check whether or not the DC fuses are normal. Then, remove W1 and W12 from A2-A13-J2 and A2-A13-J4, respectively; and check that there is no short circuits between each power-supply line of A2-A13-E1 to E8 and the chassis ground.

After having confirmed that the output voltages of A2-A13-E1 to E8 are normal, reconnect W1 and W12 to A2-A13-J2 and A2-A13-J4, respectively; and then confirm that normal DC voltages are supplied to each section.


A2-A6
MAIN LOOP
A2-A2
REFERENCE
A2-A3
FM VCO
A2-A7
OUTPUT
+5V-A
-12V
+24V
+5V-A
+5V-A
+12V-A
-12V
+5V-A
+12V-A
-12V
A2-A4
LF SYNTHE
A2-A6
20 MHZ STEP
+5V-A
+12V-A
-12V
+5V-A
+12V-A
-12V
+24V
A2-A13
POWER
SUPPLY
+5V-D
+5V-A
+12V-M
+12V-A
-12V
+24V
+3V
A2-A1
BUFFER
+5V-D
REMOTE
CONTROLLER
connector on
rear panel
+5V-D
+3V
+5V-D
+5V-D
+12V-M
-12V
+5V-D
+5V-A
+12V-A
-12V
A1-A1
PANEL 1
A2-A15
INTERFACE
A2-A10
ATT DRIVE
A2-A12
MODULATION
+5V-D
-15V
+5V-D
+3V
+5V-D
AUX
connector
on rear panel
A1-A2
PANEL 2
A2-A14
CPU

(2) Checking control section

The control section check is performed by the panel LED check and the panel status check at initial setting, described below.

If there is a fault in the control section, repair cannot be performed easily because a detailed check of the CPU data is required. Please return the instrument to Anritsu for repair.

(a) LED check

All the panel LEDs except the STBY LED light for about 3 seconds by the following key operation.

Key operation: [SHIFT] [0] [2] [0] [1]

(b) Initial-state check

The MG3631A/MG3632A is set in an initial state by the following key operation.

Key operation: [SHIFT] [0] [0] [0] [0]

Figure 3-8 shows the panel initial setting state.

Note: The panel memory contents are all erased when the above initialization is performed.

3.7 Overall Troubleshooting Flowchart 1

This paragraph describes the methods for locating the faulty PC board by measuring the signals at the connectors and terminals when the external covers and the internal shielded-case covers have been removed from the MG3631A/MG3632A.

Note: In the flowcharts; it is assumed that A2-A13 POWER SUPPLY, A2-A14 CPU and A2-A15 INTERFACE are normal.

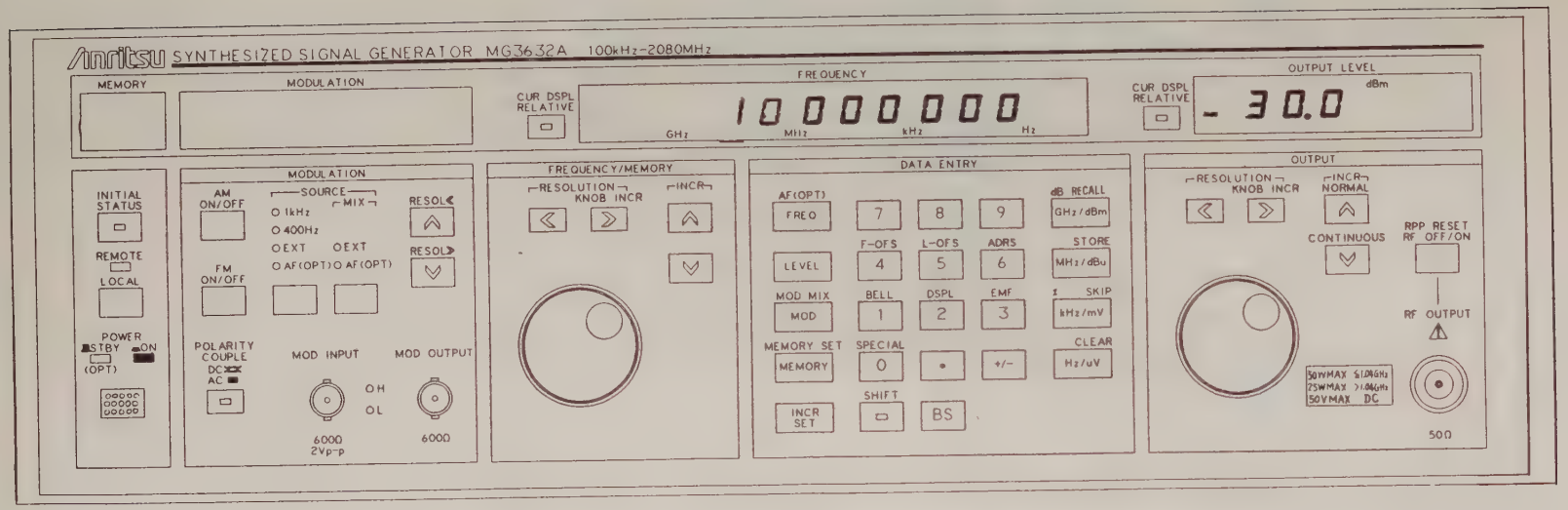


Fig. 3-8 Initial Setting Parameter

3.7.1 Output frequency troubleshooting

Use a frequency counter to verify that the frequency setting and output frequency are the same.

The MG3631A/MG3632A standard frequency must be matched to the counter frequency, as shown in Fig. 3-9, when measuring.

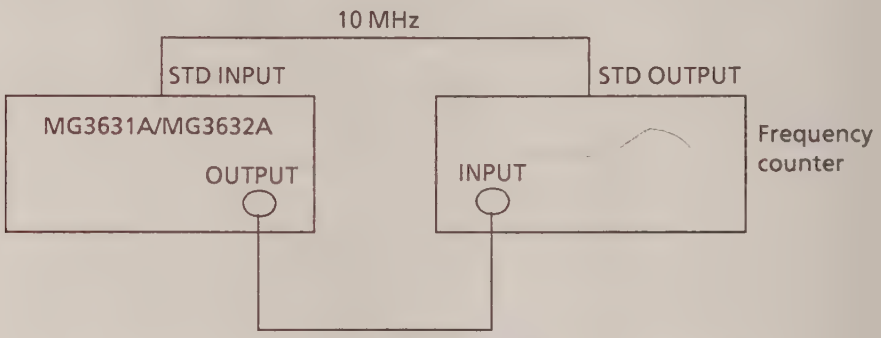


Fig. 3-9 Setup for Troubleshooting Output Frequencies

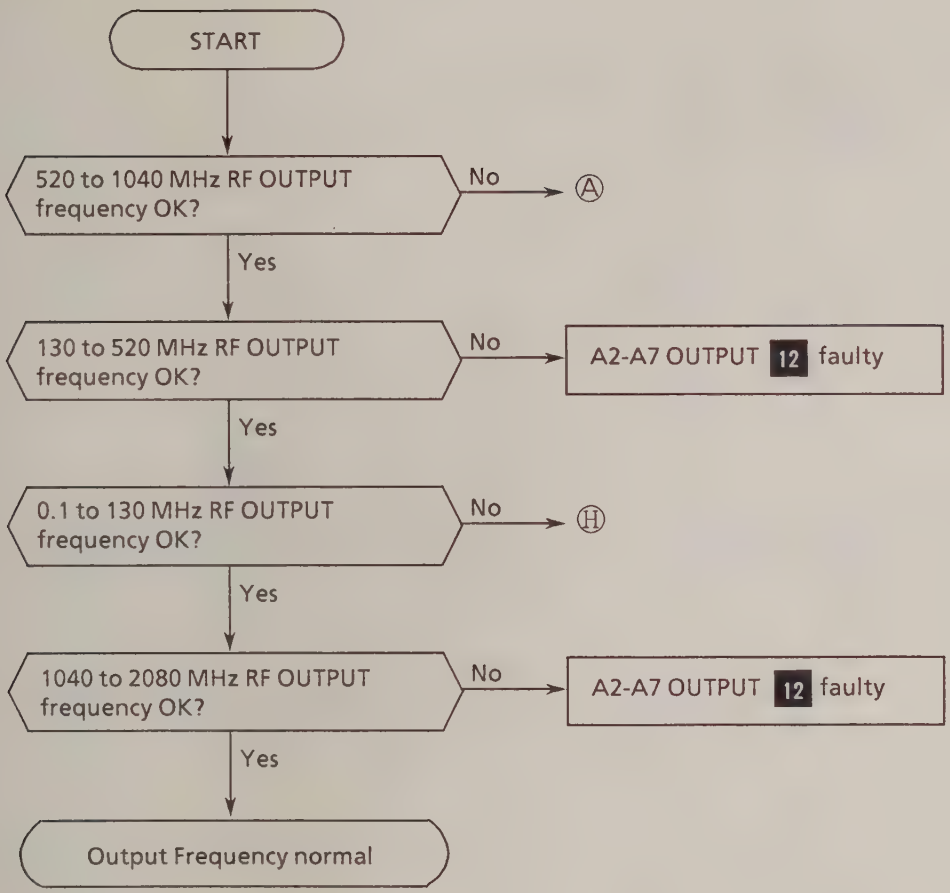


Fig. 3-10 Frequency Troubleshooting

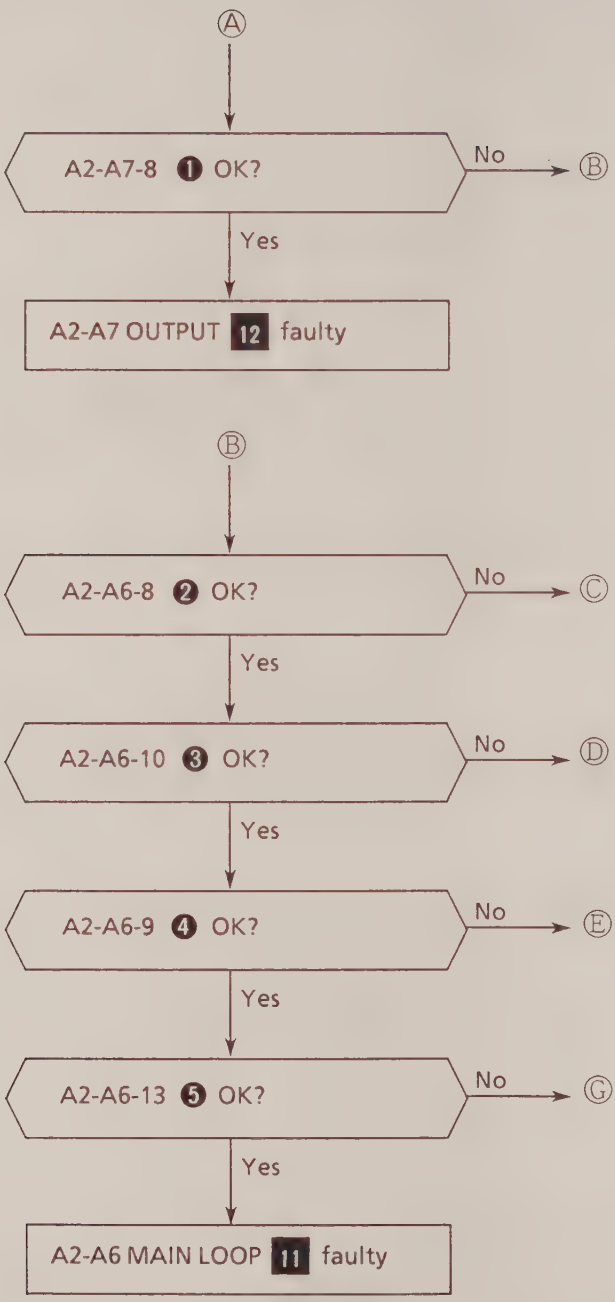


Fig. 3-10 Frequency Troubleshooting (Cont'd)

Fig. 3-10 Frequency Troubleshooting (Cont'd)

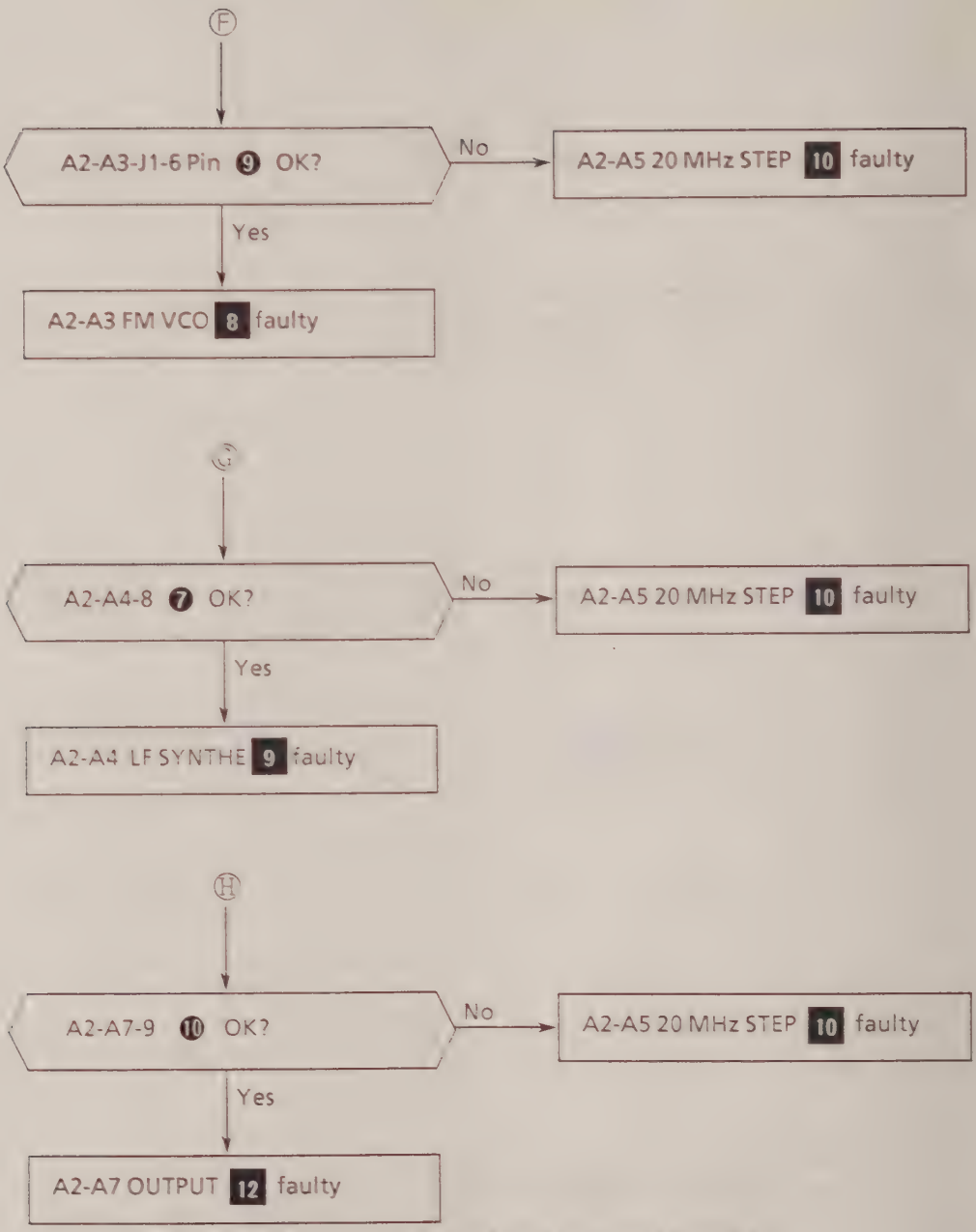


Fig. 3-10 Frequency Troubleshooting (Cont'd)

3.7.2 Output level troubleshooting

Use a power meter to verify the power meter setting and output level are the same.

The power meter should be used to calibrate the output level of each frequency to be measured.

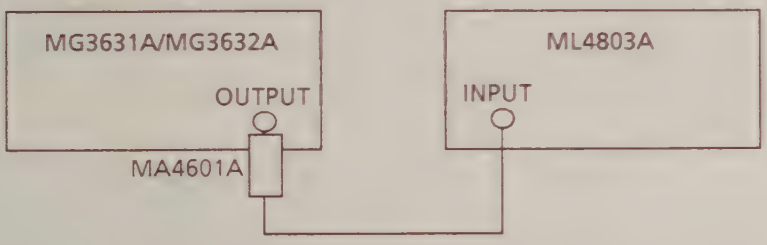


Fig. 3-11 Setup for Output Level Troubleshooting

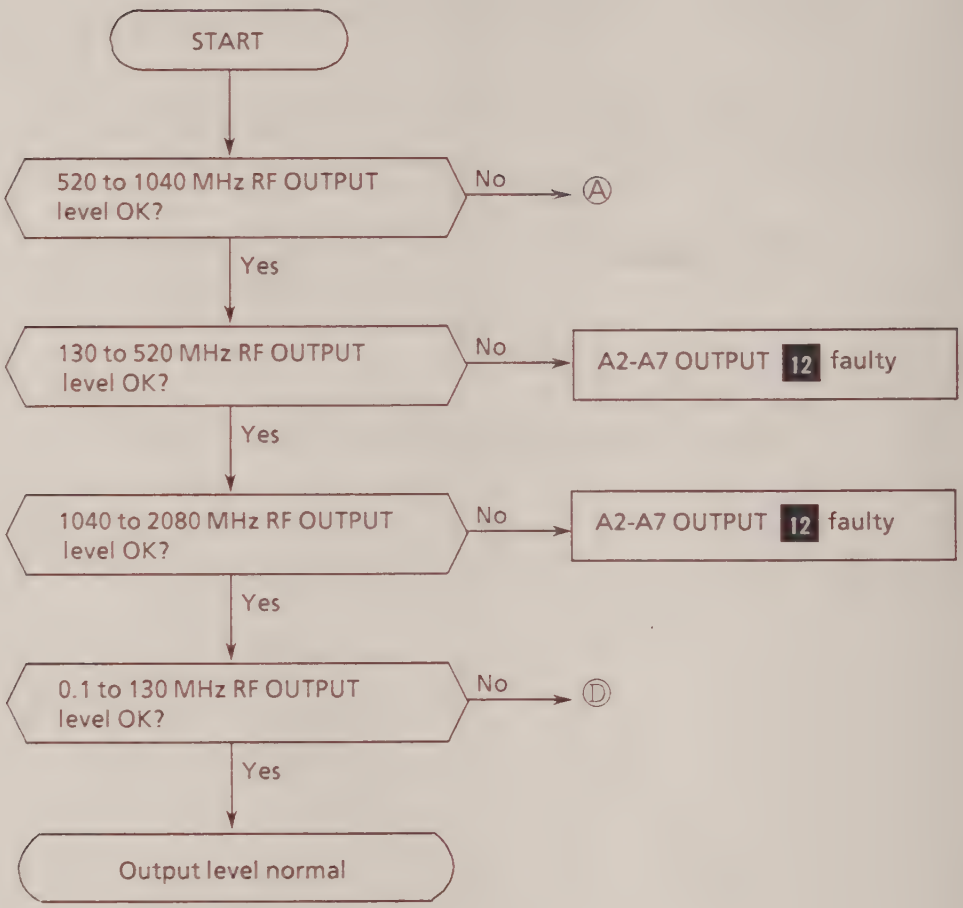


Fig. 3-12 Output Level Troubleshooting

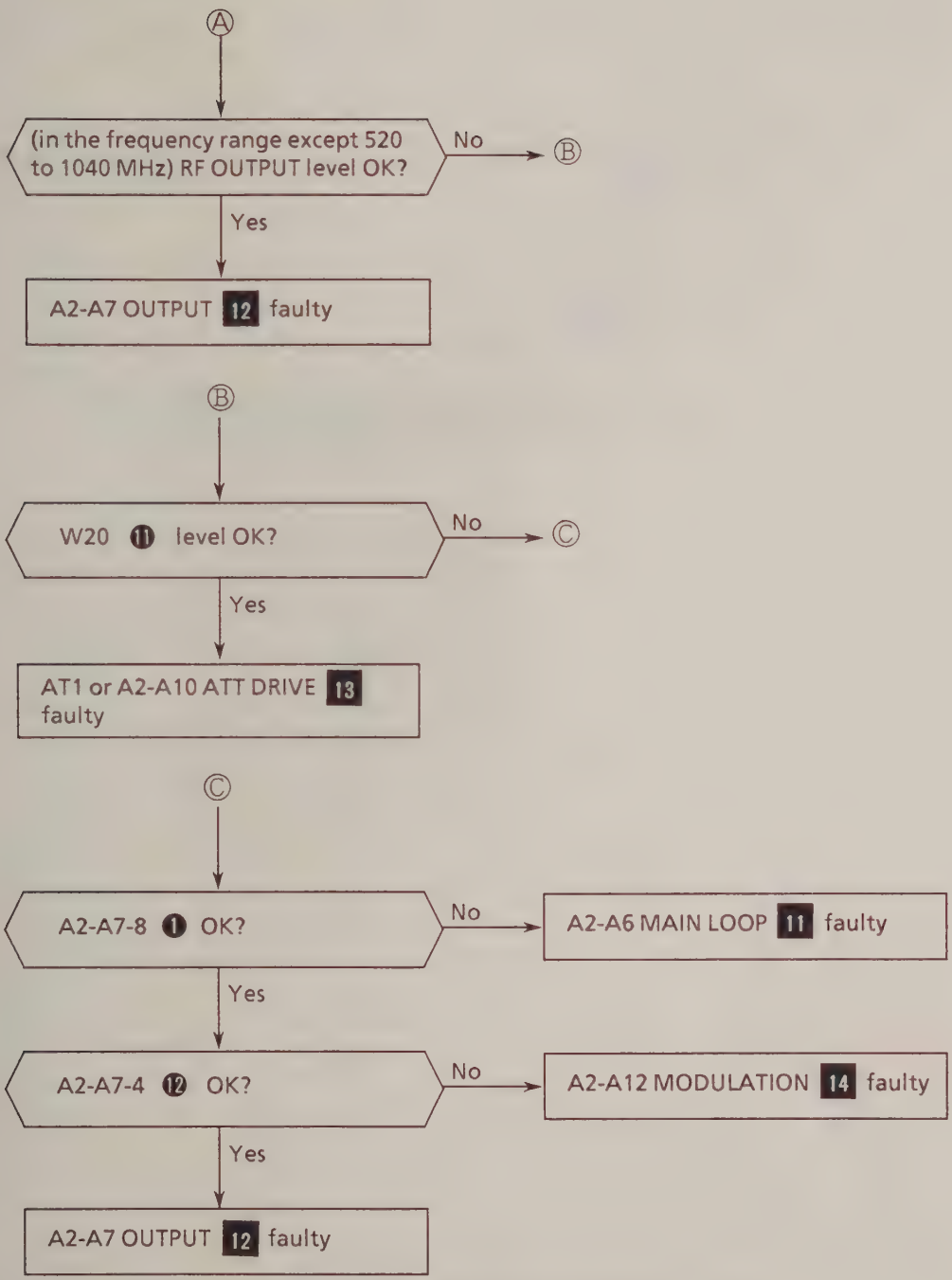


Fig. 3-12 Output Level Troubleshooting (Cont'd)

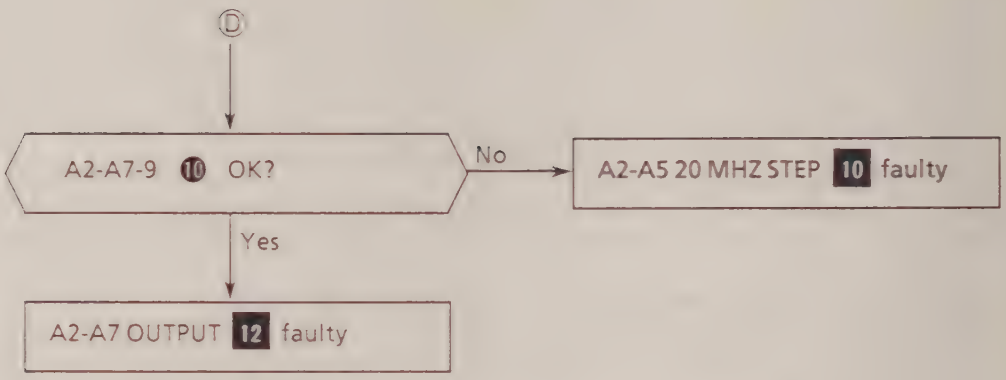


Fig. 3-12 Output Level Troubleshooting (Cont'd)

3.7.3 FM troubleshooting

Use a modulation analyzer to verify that the frequency deviation setting and the actual output frequency deviation are the same.

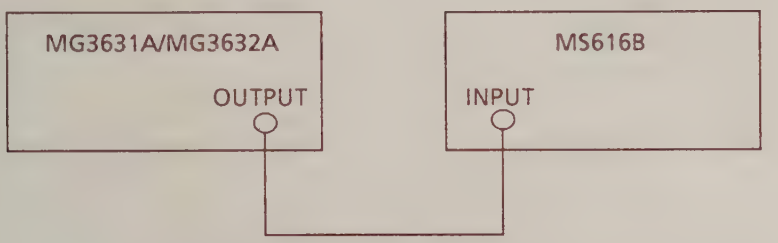


Fig. 3-13 Setup for FM Troubleshooting

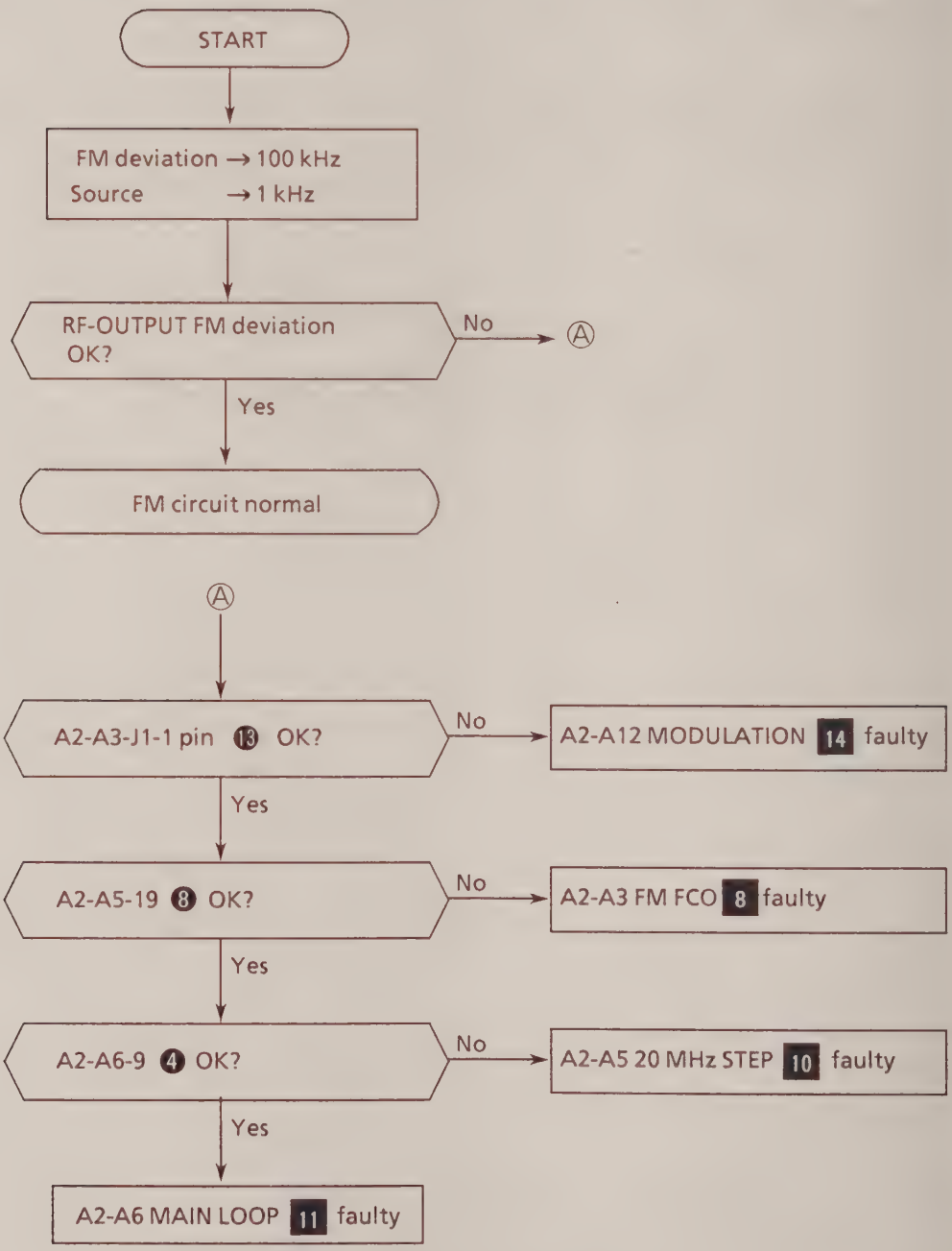


Fig. 3-14 FM Troubleshooting

3.7.4 AM troubleshooting

Use a modulation analyzer to verify that the AM depth setting and the actual output AM depth are the same.

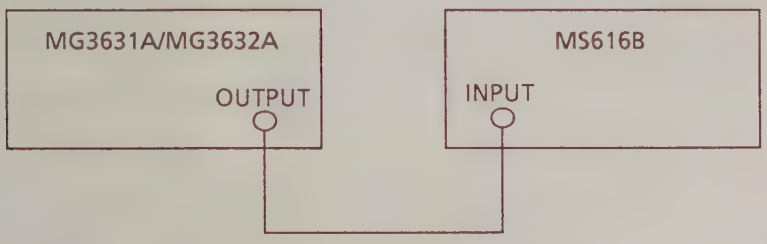


Fig. 3-15 Setup for AM Troubleshooting

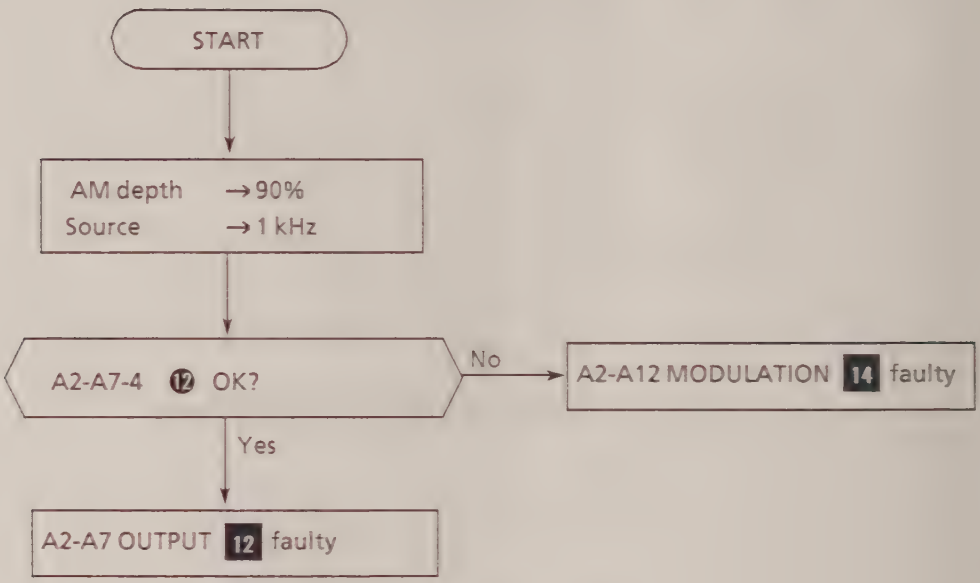


Fig. 3-16 AM Troubleshooting

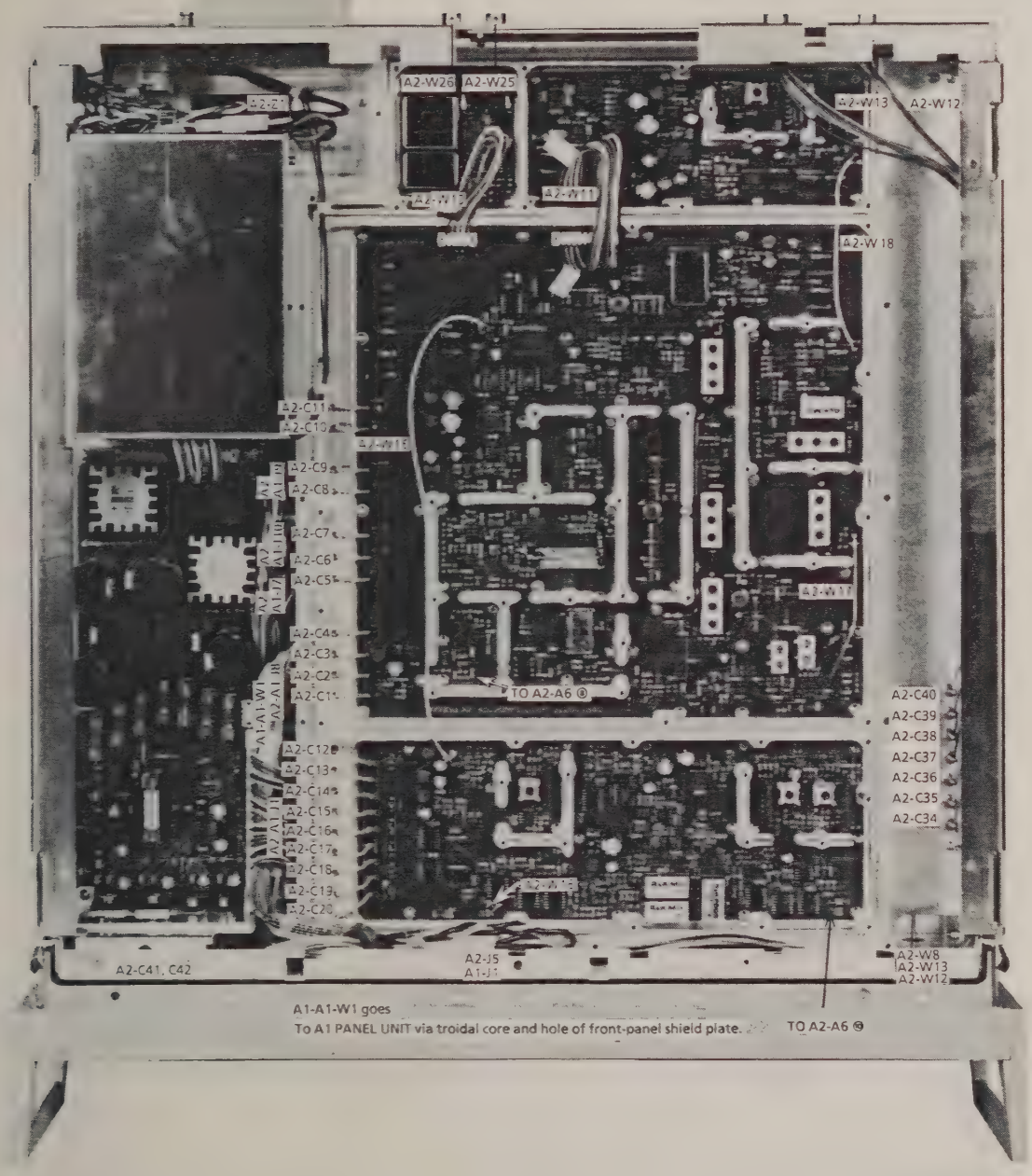


Fig. 3-17 PC-Board Allocation on Top Side of Housing (A2 SG UNIT)

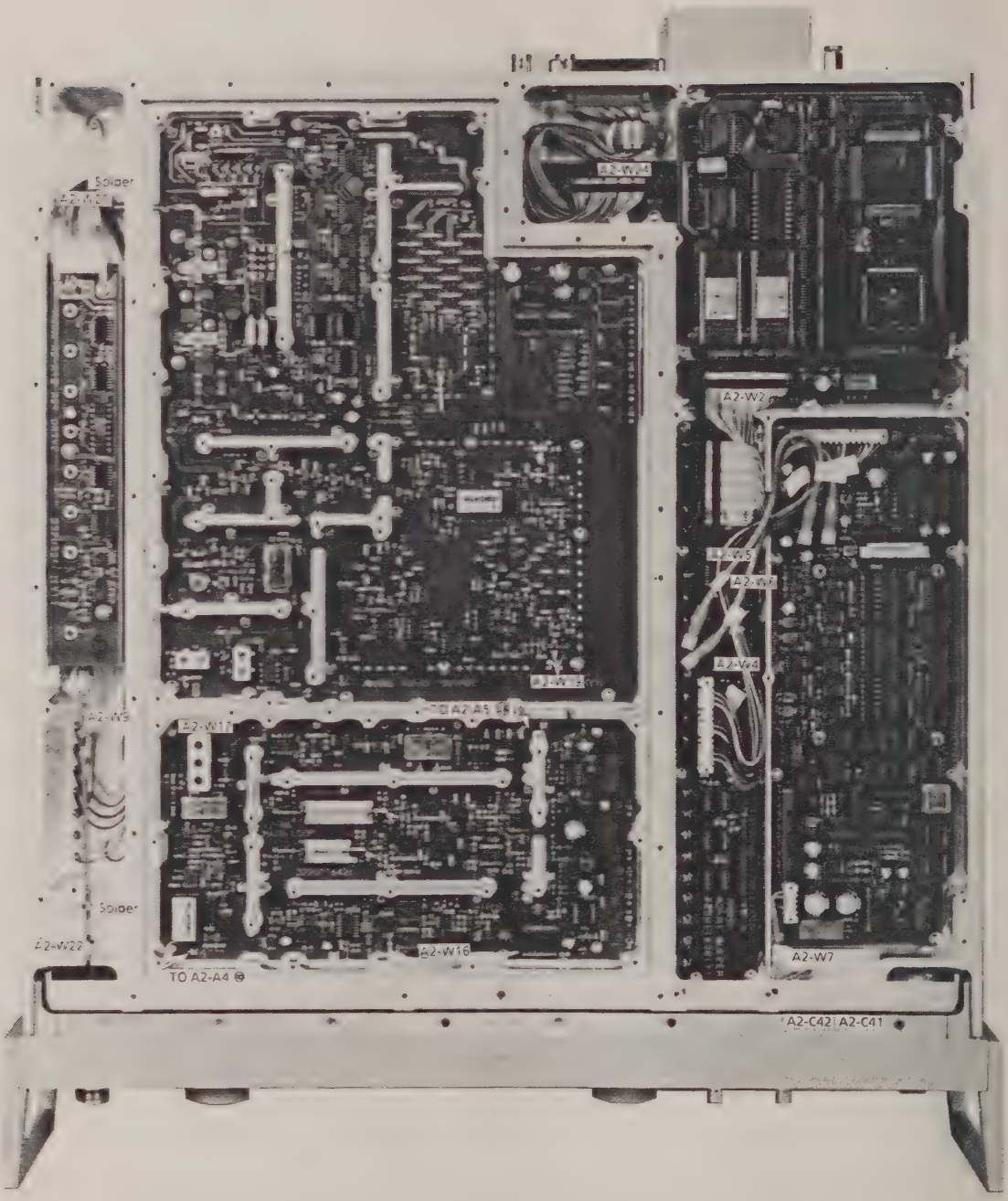
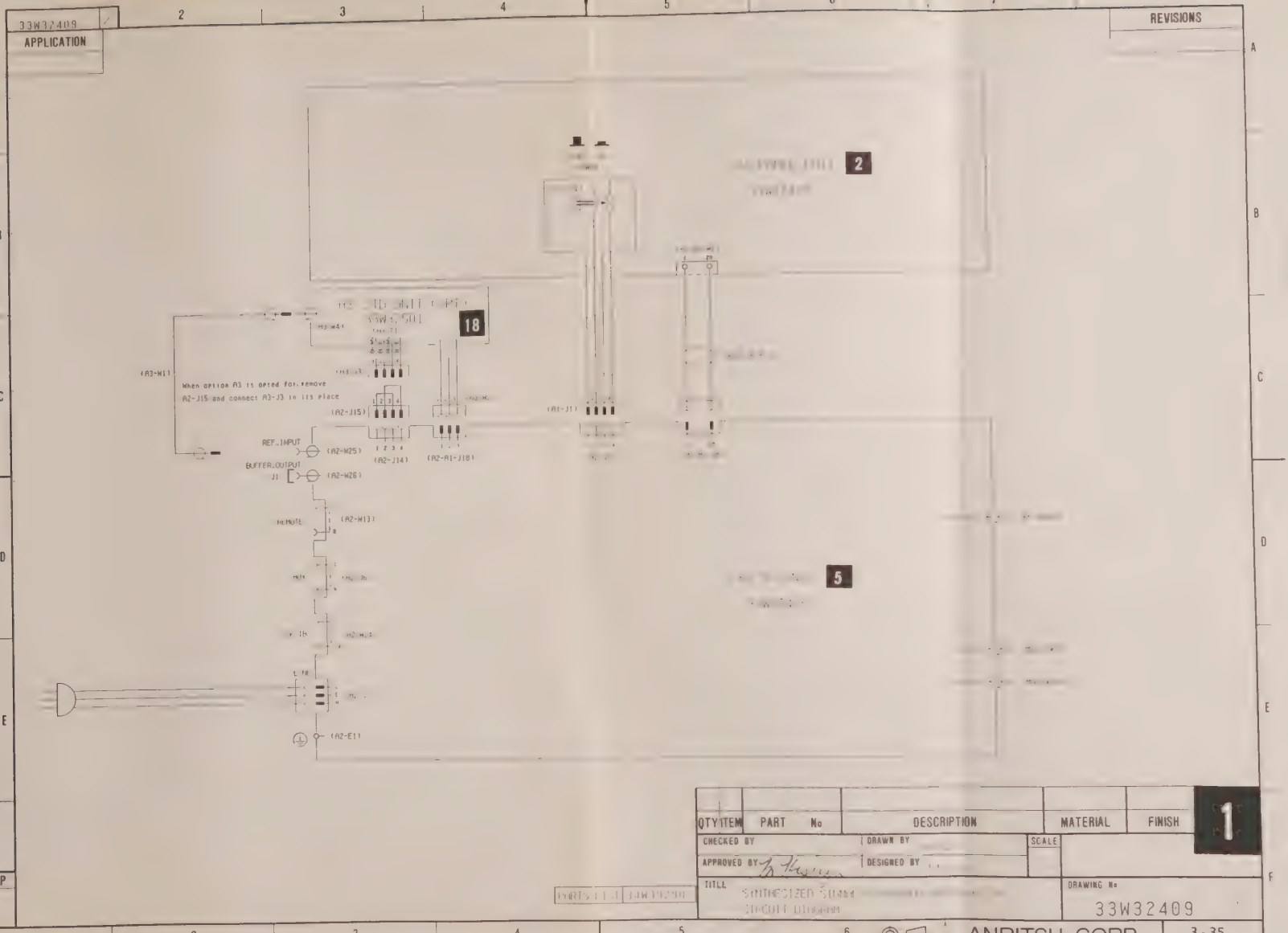


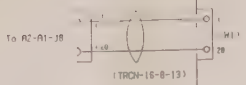
Fig. 3-18 PC-Board Allocation on Bottom Side of Housing (A2 SG UNIT)


33W32409
APPLICATION
REVISIONS
2
18
5
1
When option A3 is opted for, remove
A2-J15 and connect A3-J3 in its place
(A3-W1)
(A2-J15)
(A2-J14)
(A2-A1-J18)
(A1-J1)
REF_INPUT
(A2-W25)
BUFFER_OUTPUT
J1
(A2-W26)
REMOTE
(A2-W13)
(A2-E11)
QTY ITEM
PART No
DESCRIPTION
MATERIAL
FINISH
CHECKED BY
APPROVED BY
DRAWN BY
DESIGNED BY
SCALE
TITLE
DRAWING No
33W32409
DEP

33W32410

APPLICATION

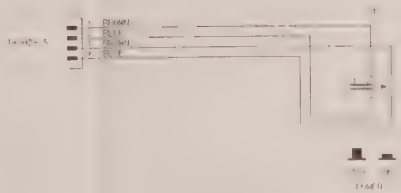
REVISIONS



A1-A1
PANEL
33W32411

3

4



QTY	ITEM	PART No	DESCRIPTION	MATERIAL	FINISH

CHECKED BY

APPROVED BY

DRAWN BY

DESIGNED BY

SCALE

TITLE

DRAWING No. 33W32410

2

DEP

ANRITSU CORP.

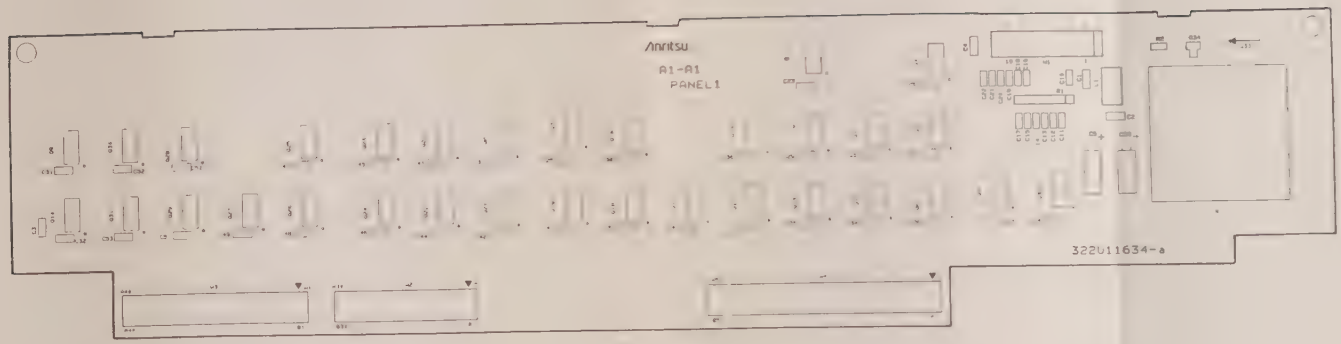
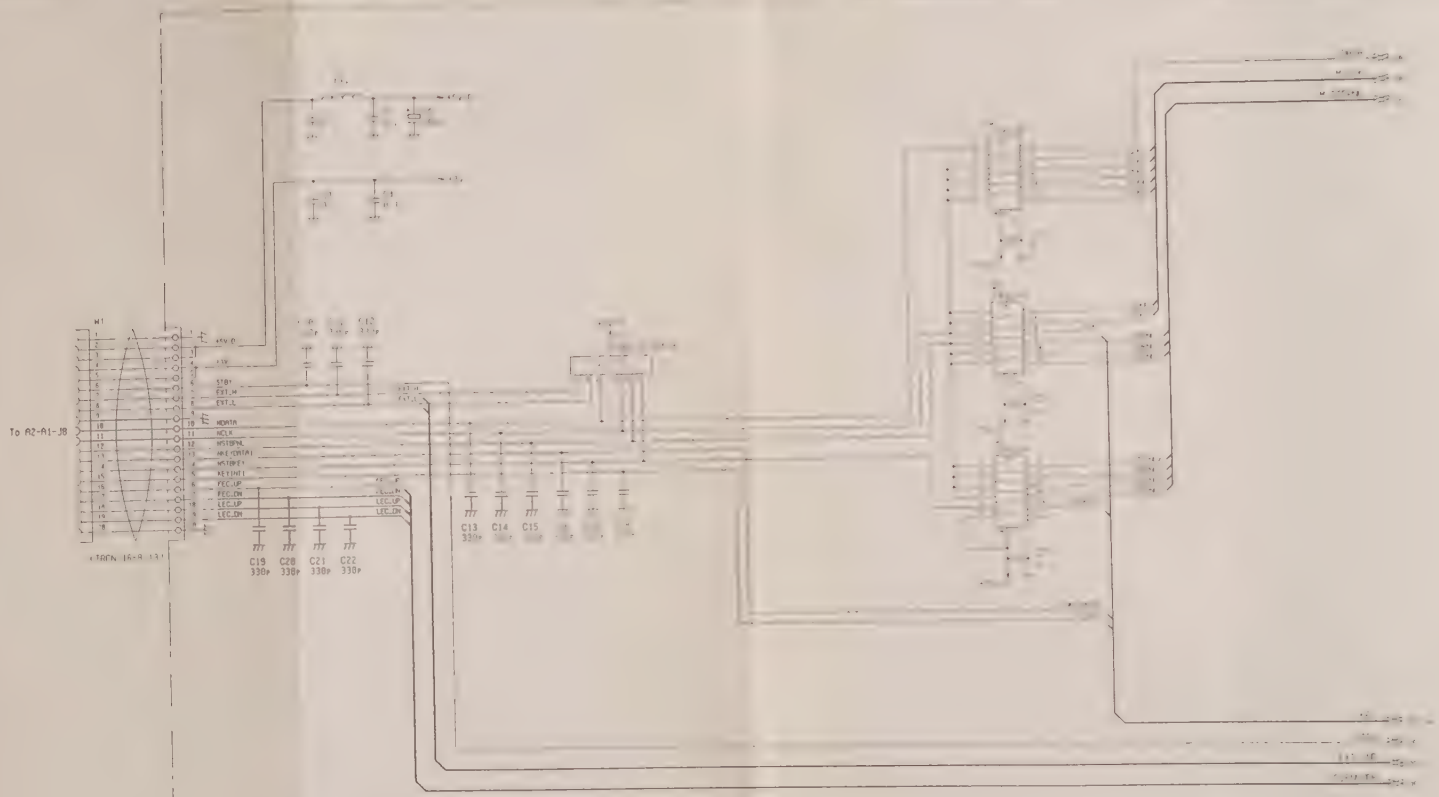


Fig. 3-19 A1-A1 PANEL 1 PC-Board Parts Layout 3

APPLICATION

REVISIONS



QTY	ITEM	PART No	DESCRIPTION	MATERIAL	FINISH

CHECKED BY

APPROVED BY

DRAWN BY

DESIGNED BY

SCALE

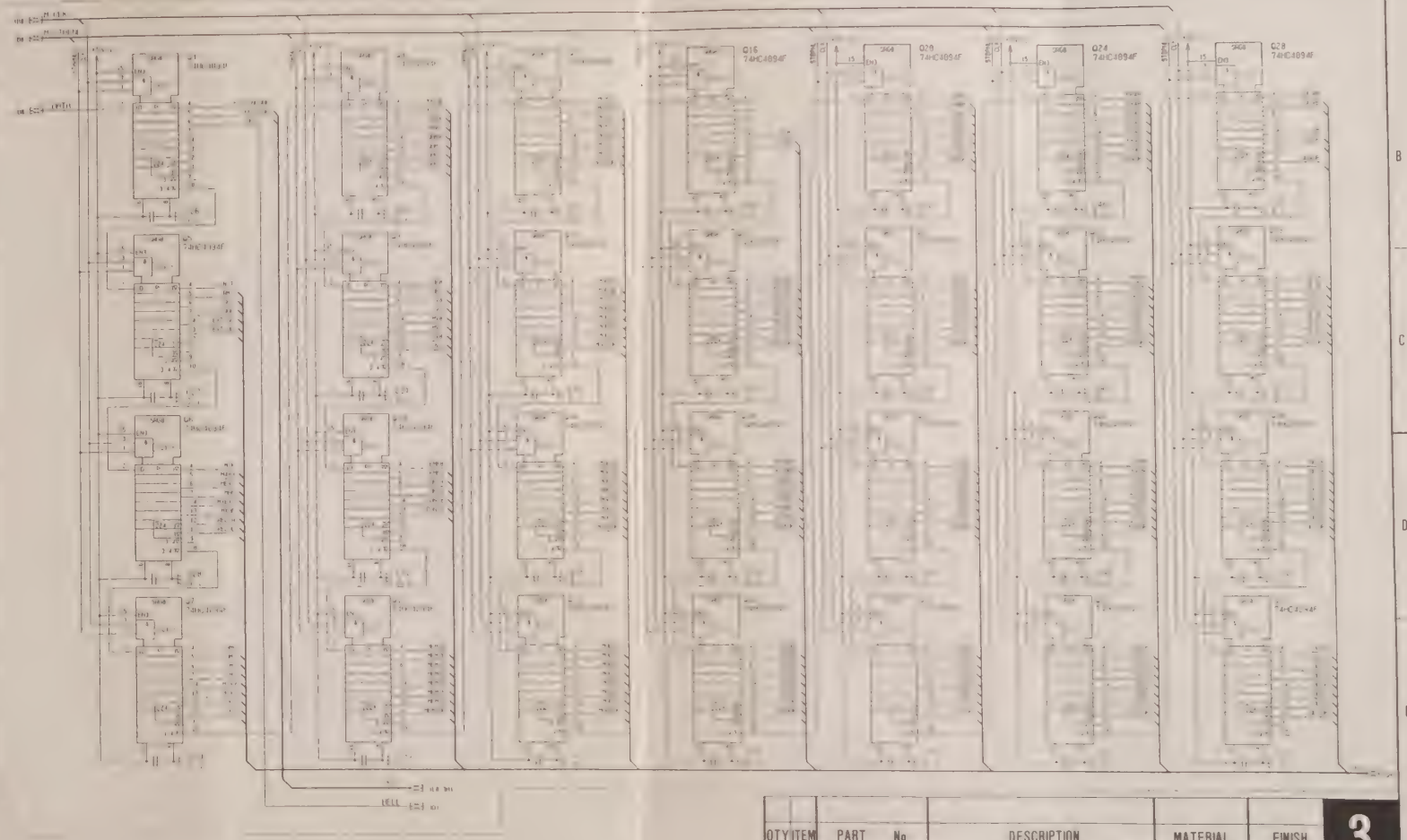
TITLE

DRAWING No 33W32411

ANRITSU CORP.

APPLICATION

REVISIONS



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3

CHECKED BY

APPROVED BY

DRAWN BY ALICE

DESIGNED BY

SCALE

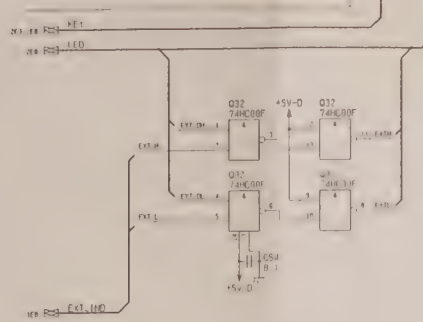
TITLE

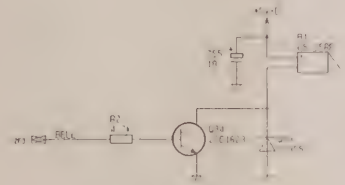
DRAWING No. 33W32411 2/3

DEP

APPLICATION

REVISIONS





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ANRITSU CORP

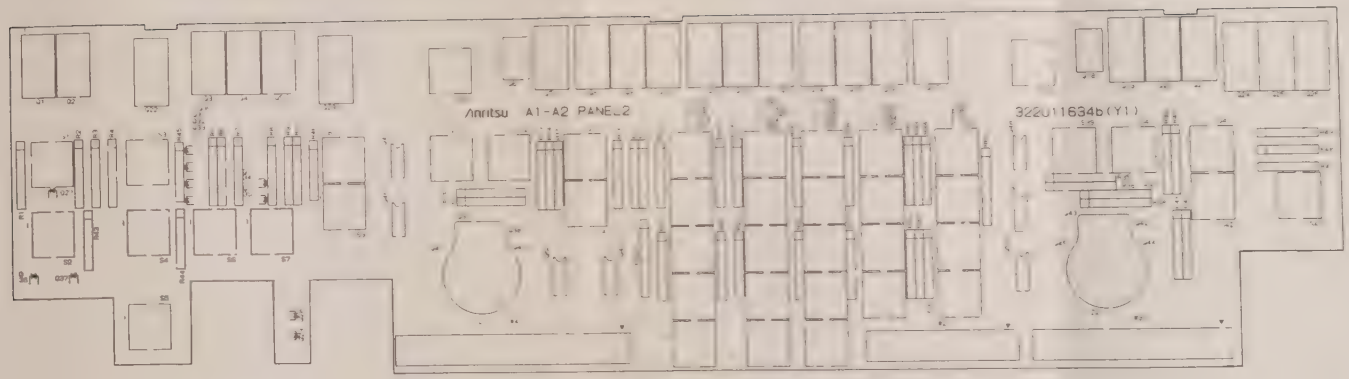


Fig. 3-20 (1/2) A1-A2 PANEL 2 PC-Board Parts Layout (Parts Side) 4

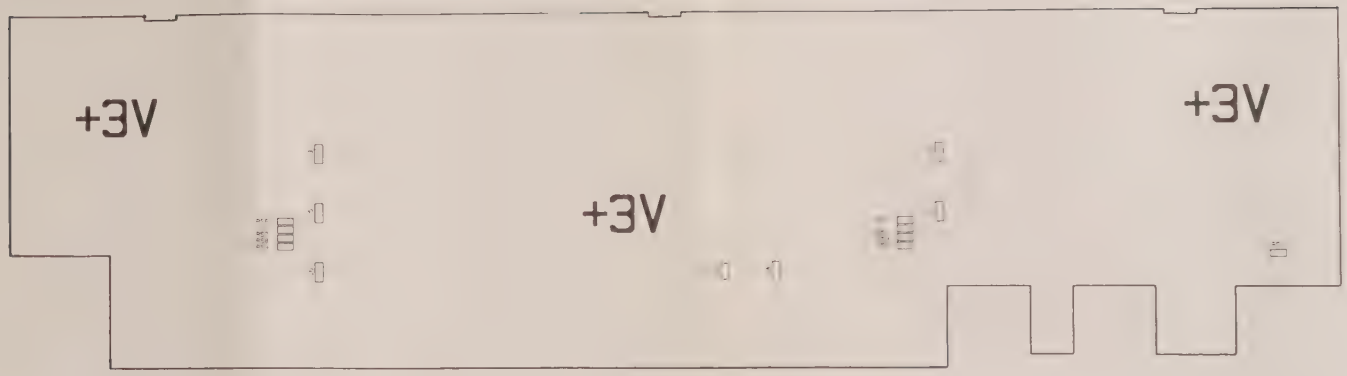
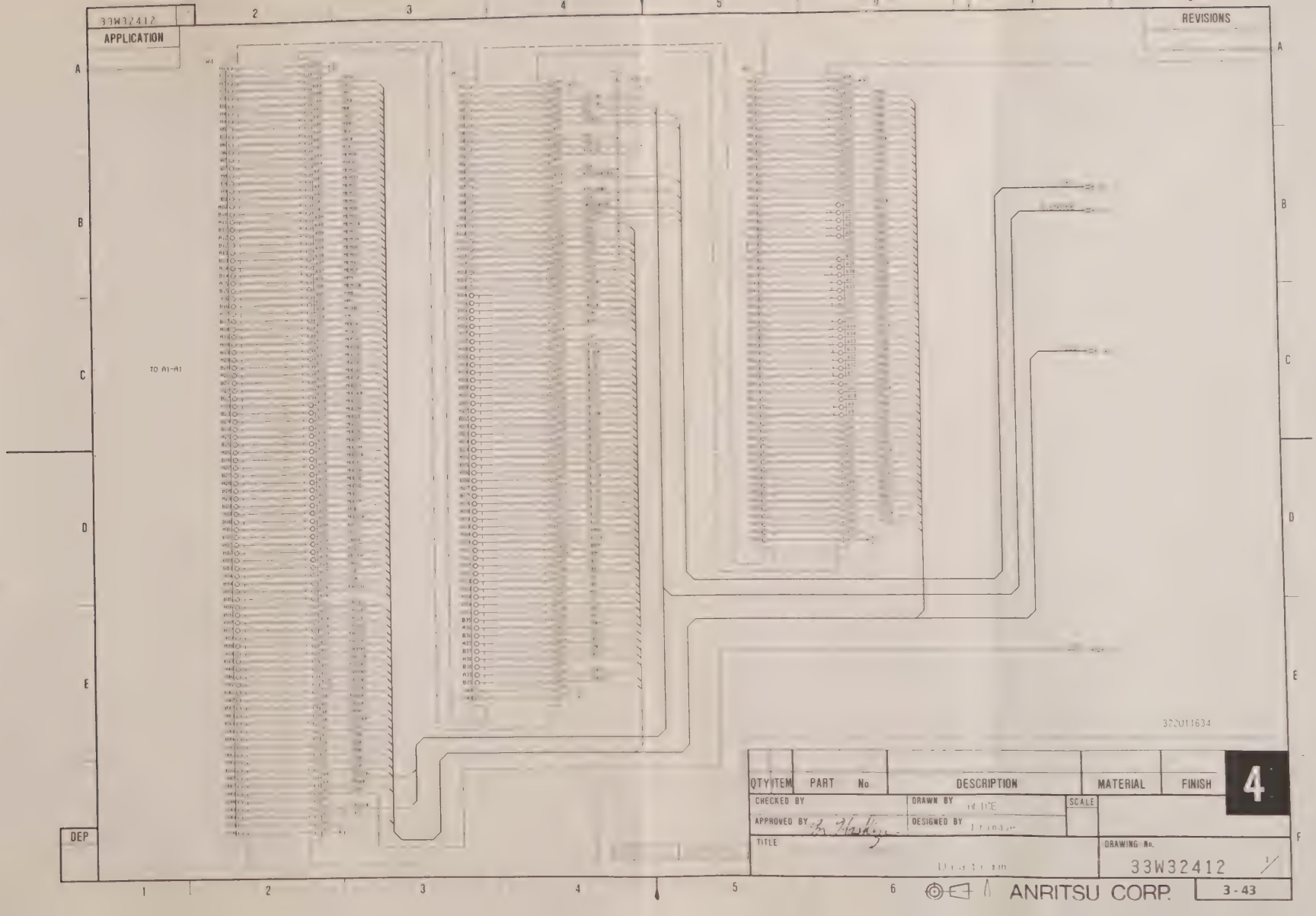


Fig. 3-20 (2/2) A1-A2 PANEL 2 PC-Board Parts Layout (Patte ·le) 4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ANRITSU CORP.
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APPLICATION

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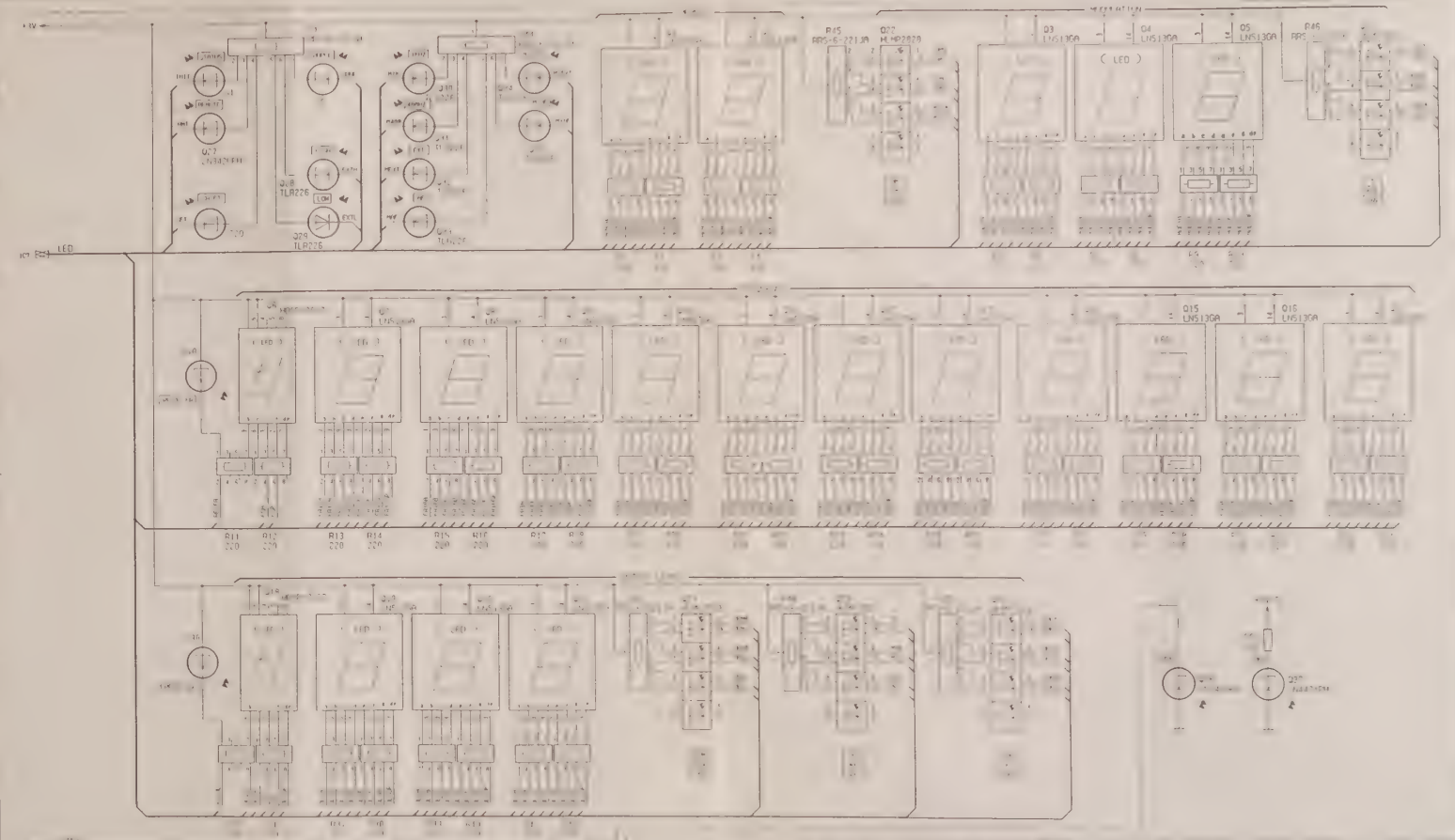

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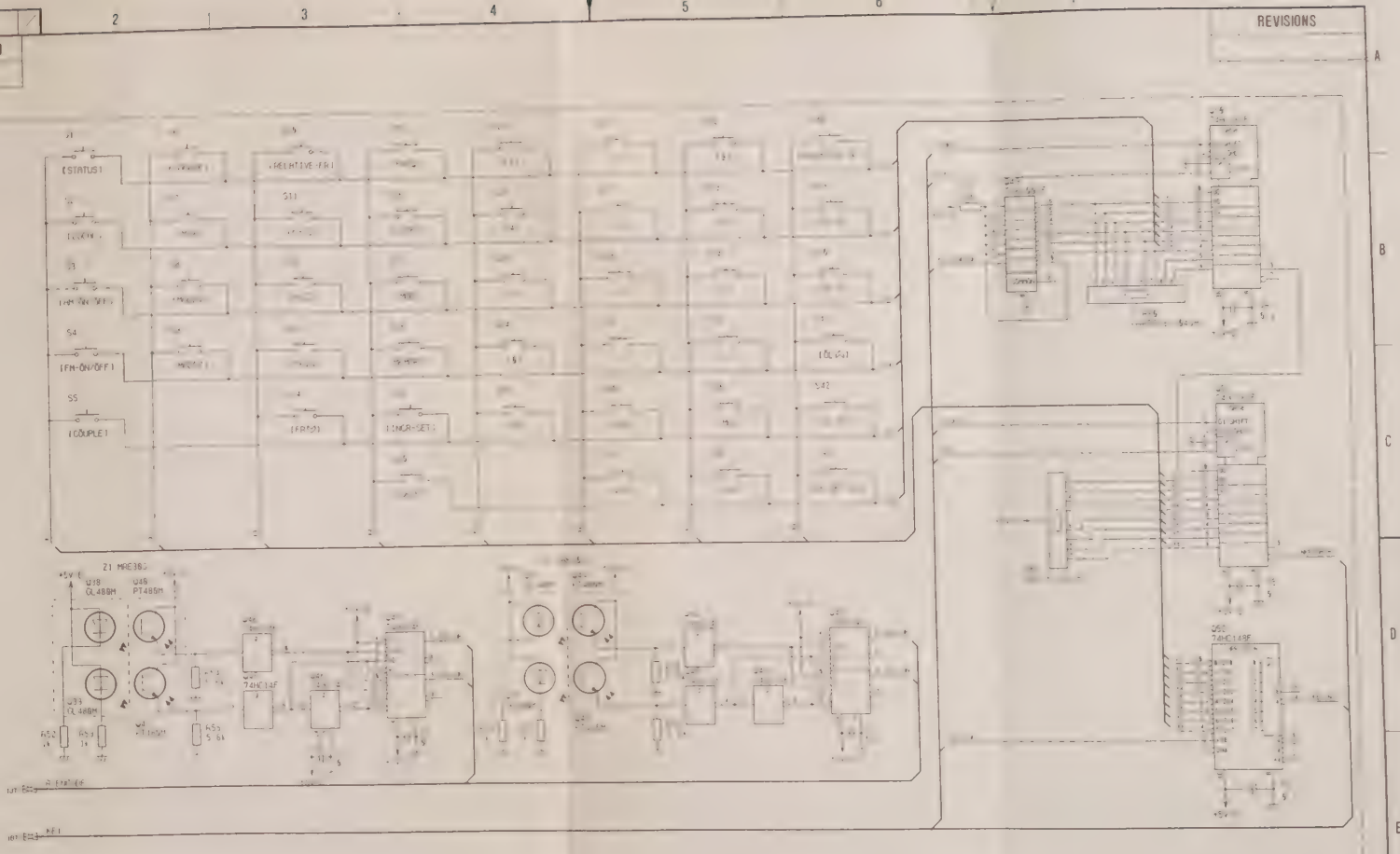

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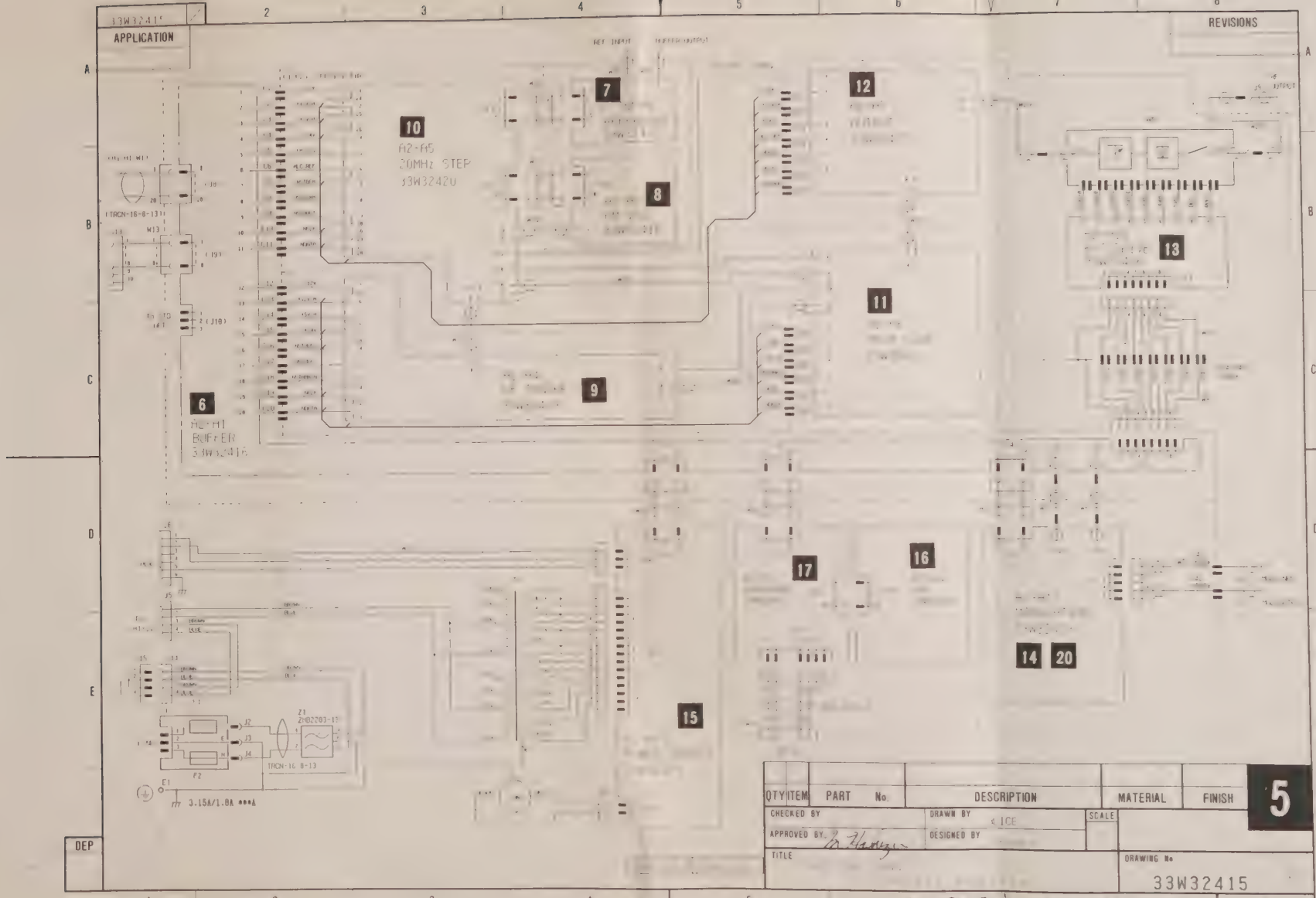
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20MHz STEP
33W3242U
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DEP
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ANRITSU CORP.
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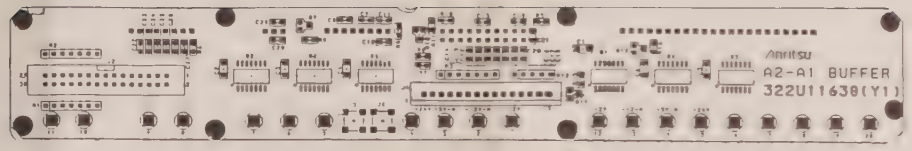

Fig. 3-21 A2-A1 BUFFER PC-Board Parts Layout 6

33W32416

APPLICATION

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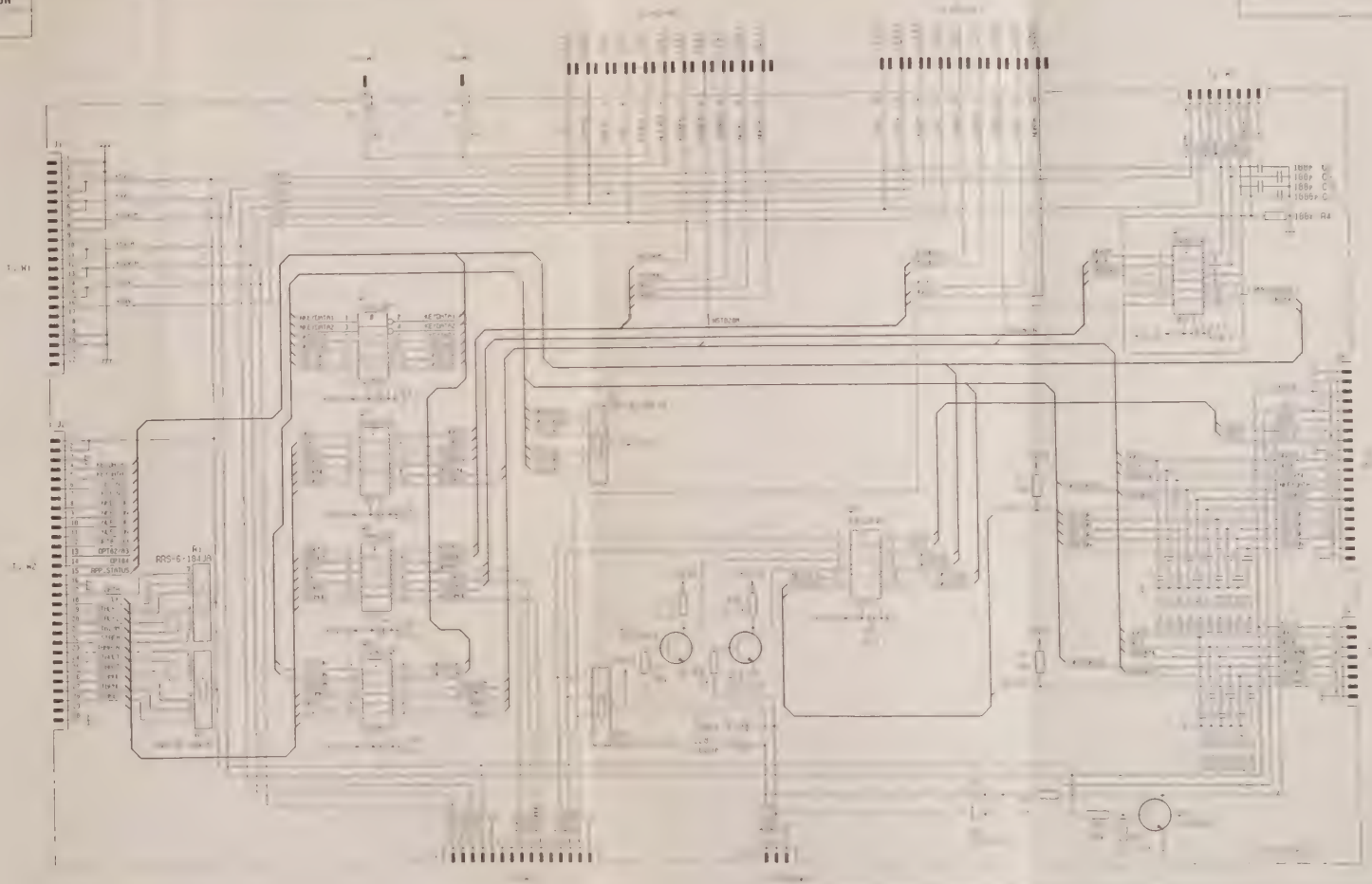

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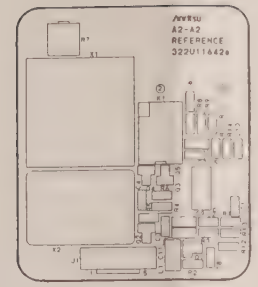

Fig. 3-22 A2-A2 REFERENCE PC-Boards Parts Layout 7

33W32417

APPLICATION

REVISIONS

QTY	ITEM	PART No.	DESCRIPTION	MATERIAL	FINISH

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APPROVED BY

DRAWN BY

DESIGNED BY J.Hinase

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Circuit Diagram

DRAWING No 33W32417

PARTS LIST 34W32238

DEP

ANRITSU CORP.

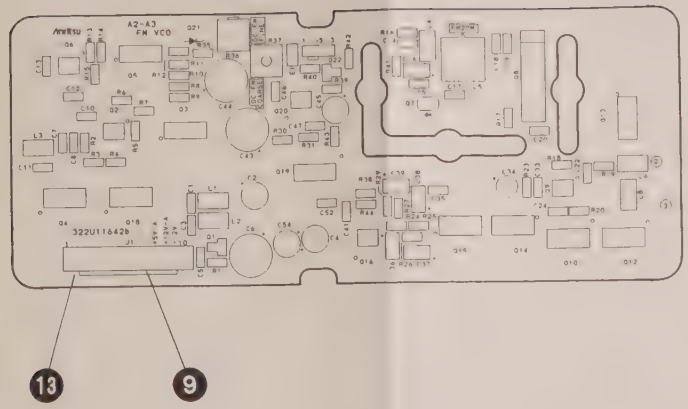

Fig. 3-23 A2-A3 FM VCO PC-Boards Parts Layout 8

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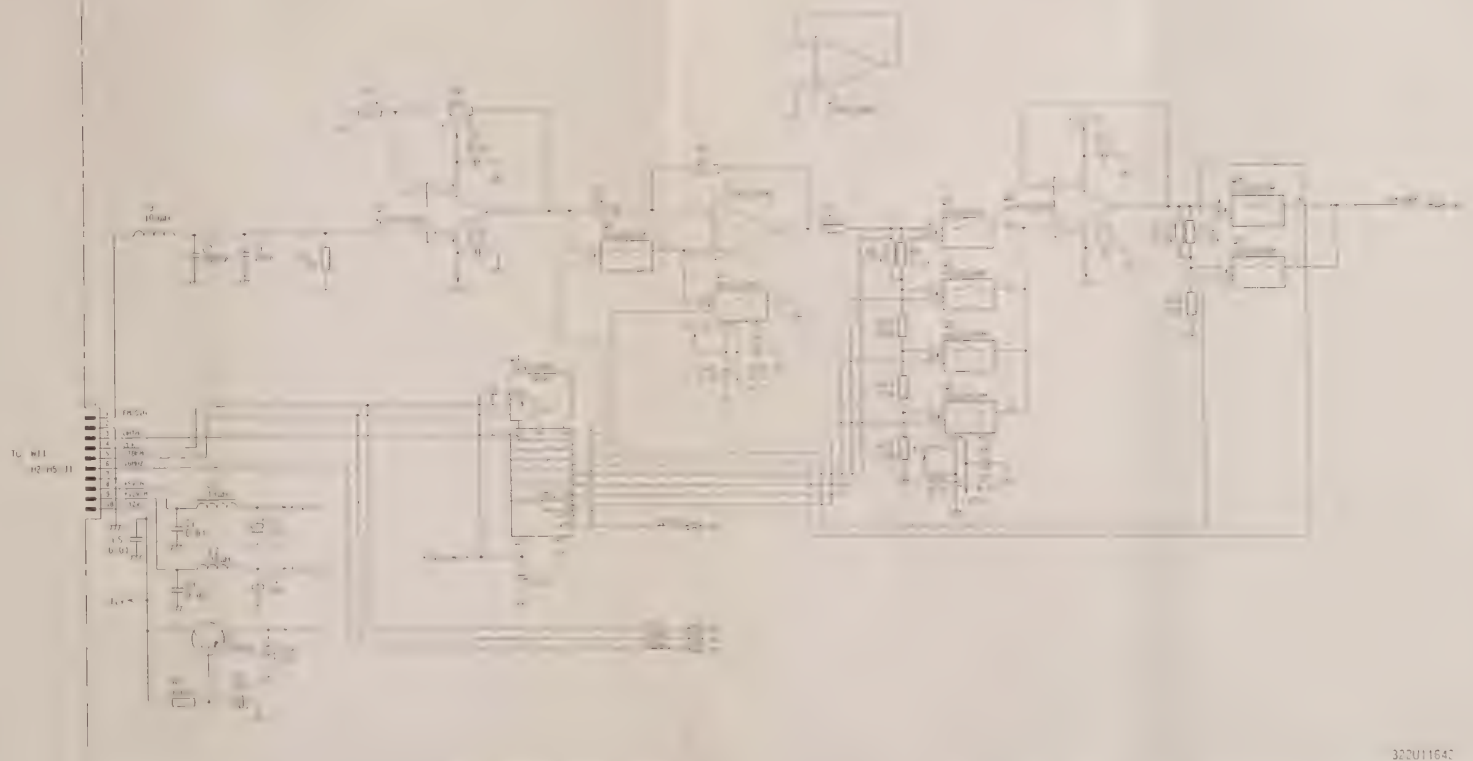
REVISIONS



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APPROVED BY	DESIGNED BY	
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APPLICATION

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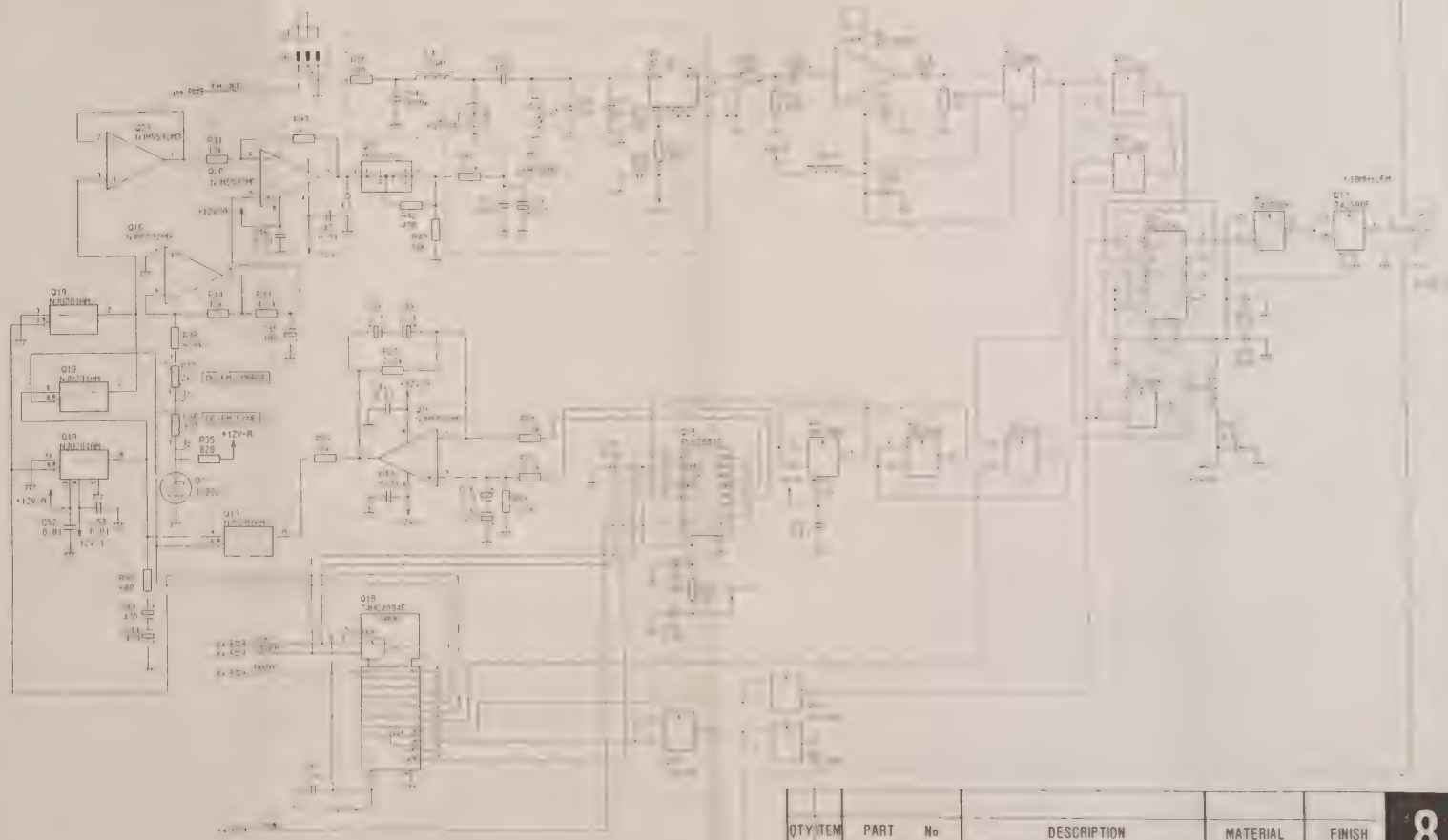

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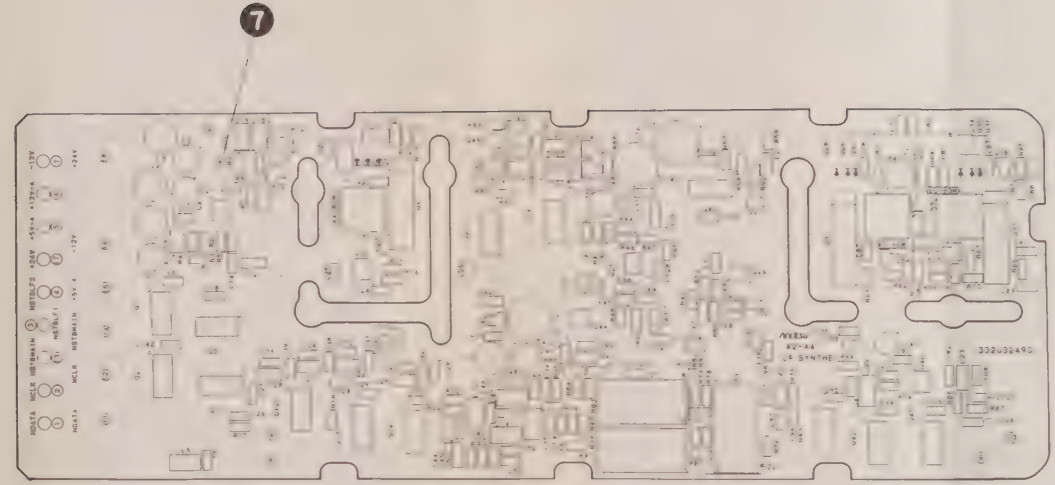
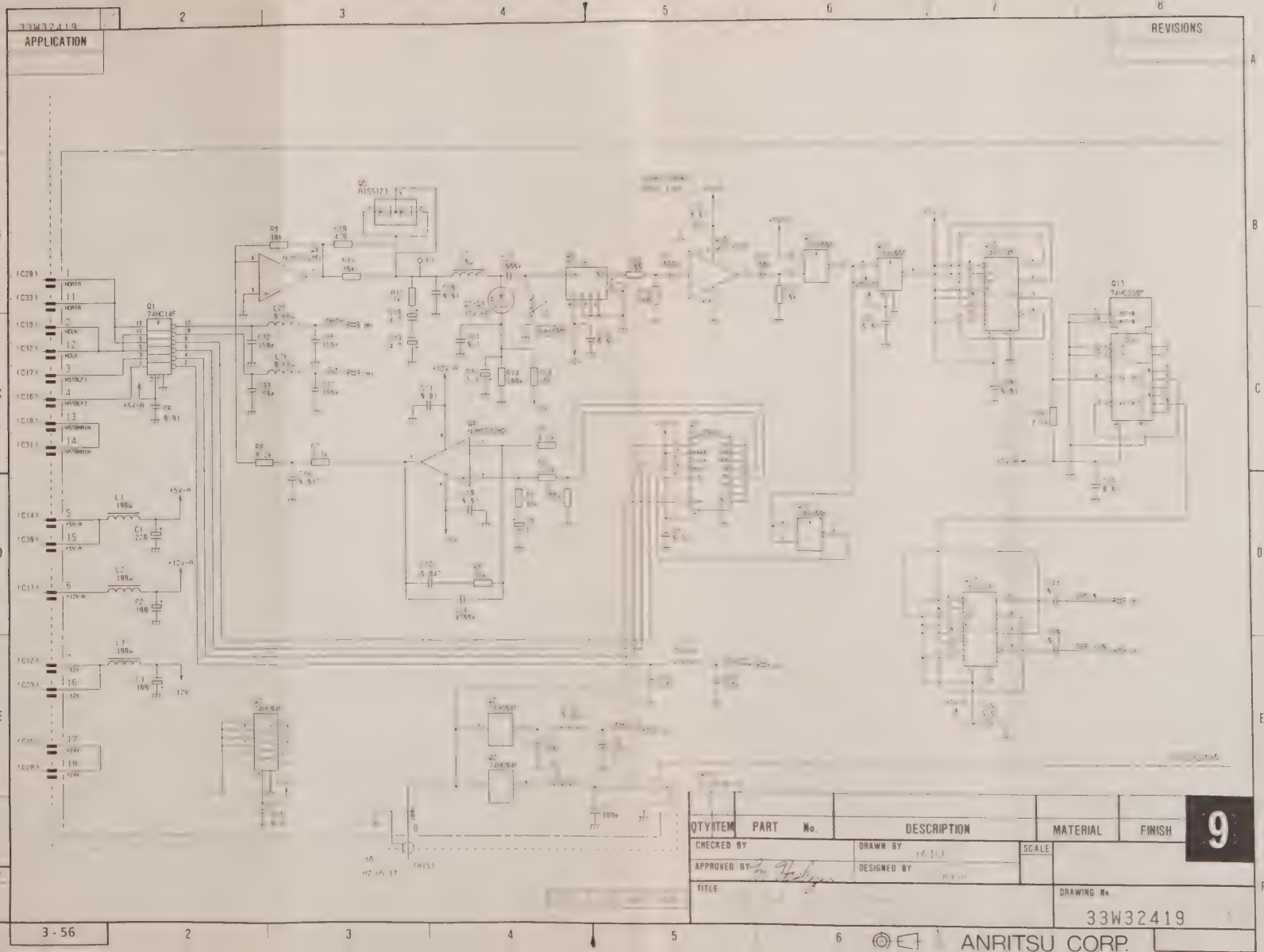


Fig. 3-24 A2-A4 LF SYNTHE PC-Board Parts Layout 9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Q13 74HC595F
Q8 74HC32HD
Q2 74HC86F
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L2 100μ
L3 100μ
C1 220
C2 100
C3 100
+5V-A
+12V-A
-12V
+24V
HDATA
HCLK
HSTBOUT1
HSTBOUT2
HSTBINTN
HSTBINTP
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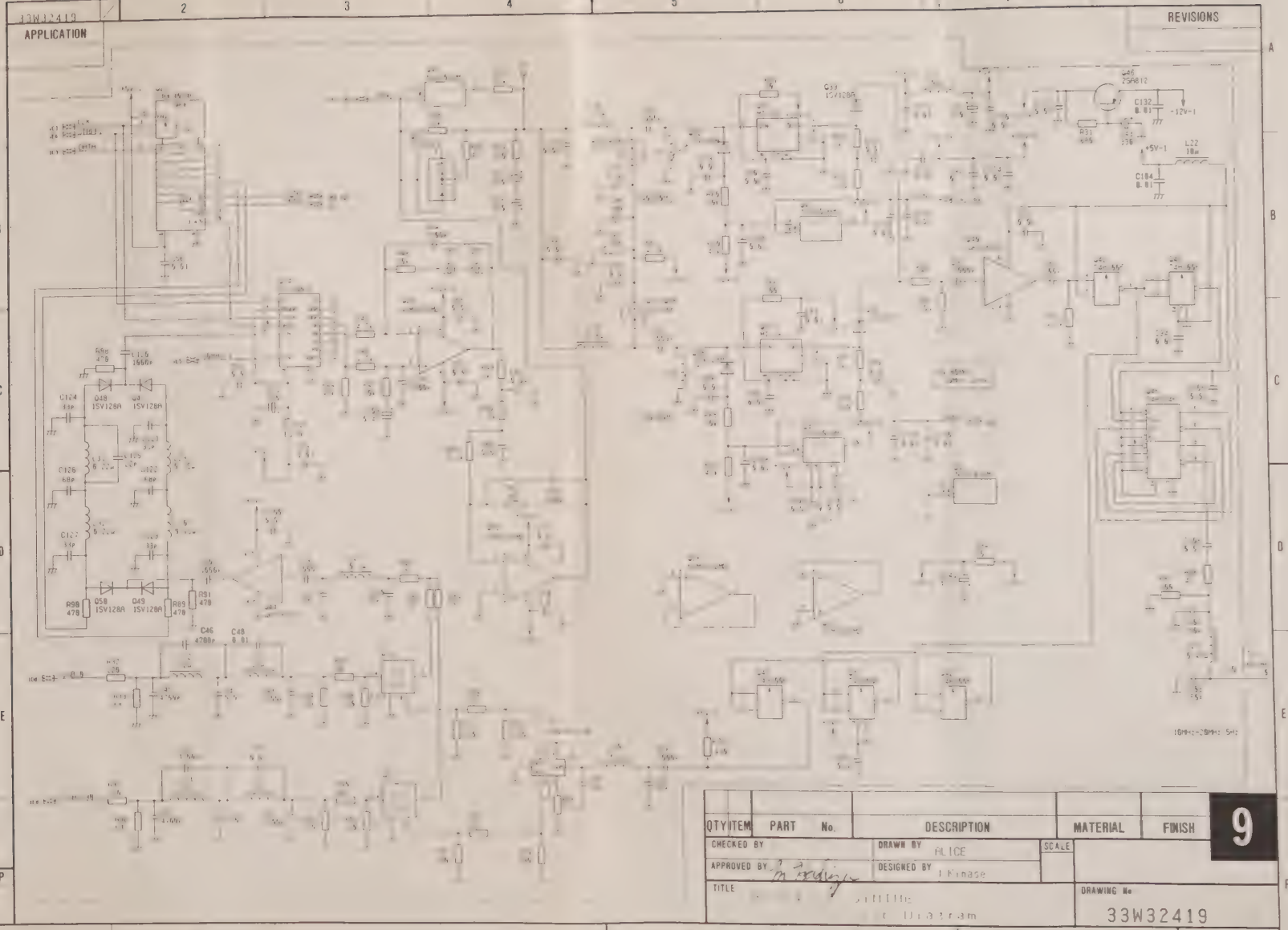
ANRITSU CORP.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ANRITSU CORP.
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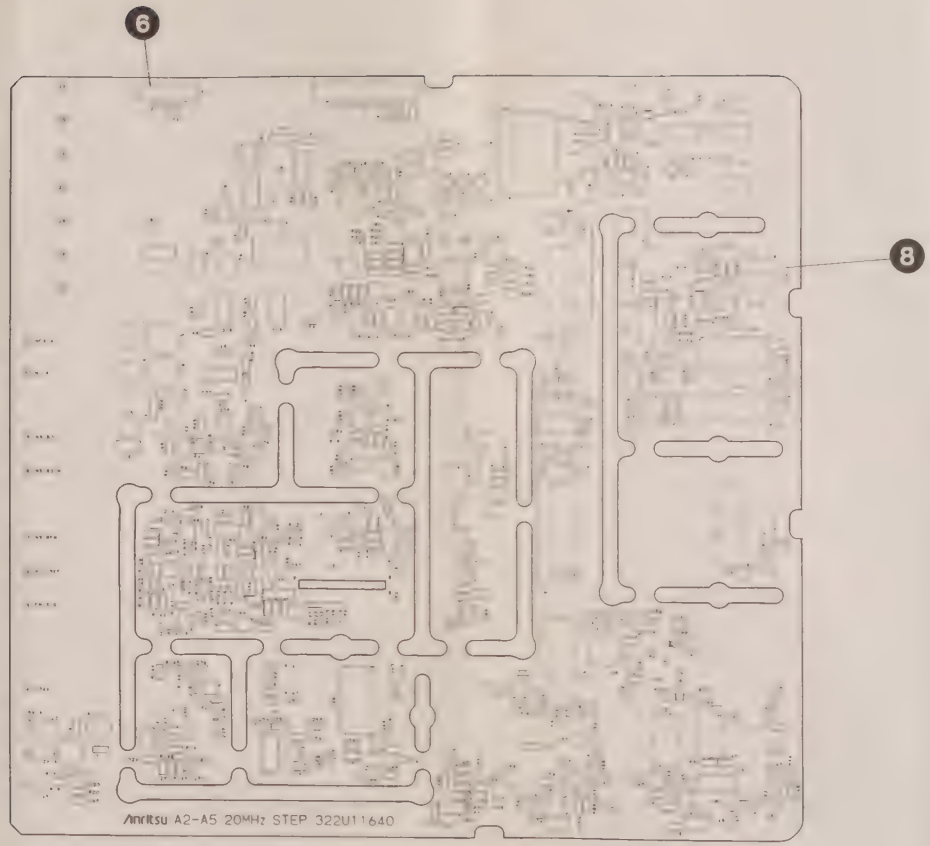

Fig. 2-25 A2-A5 20 MHz STEP PC-Board Parts Layout 10

33W32420

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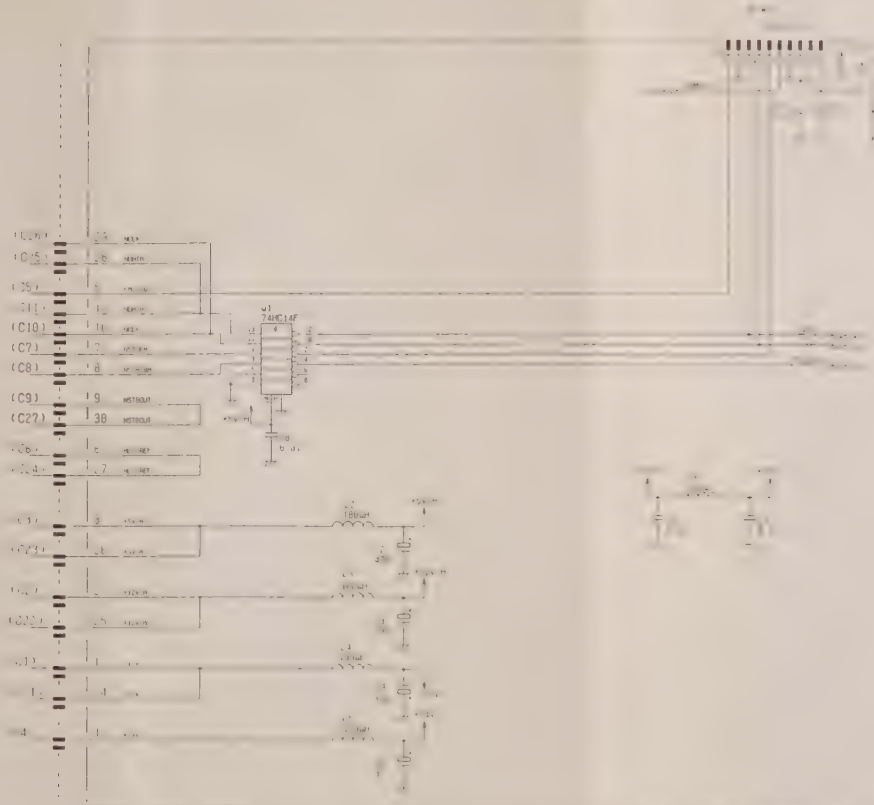

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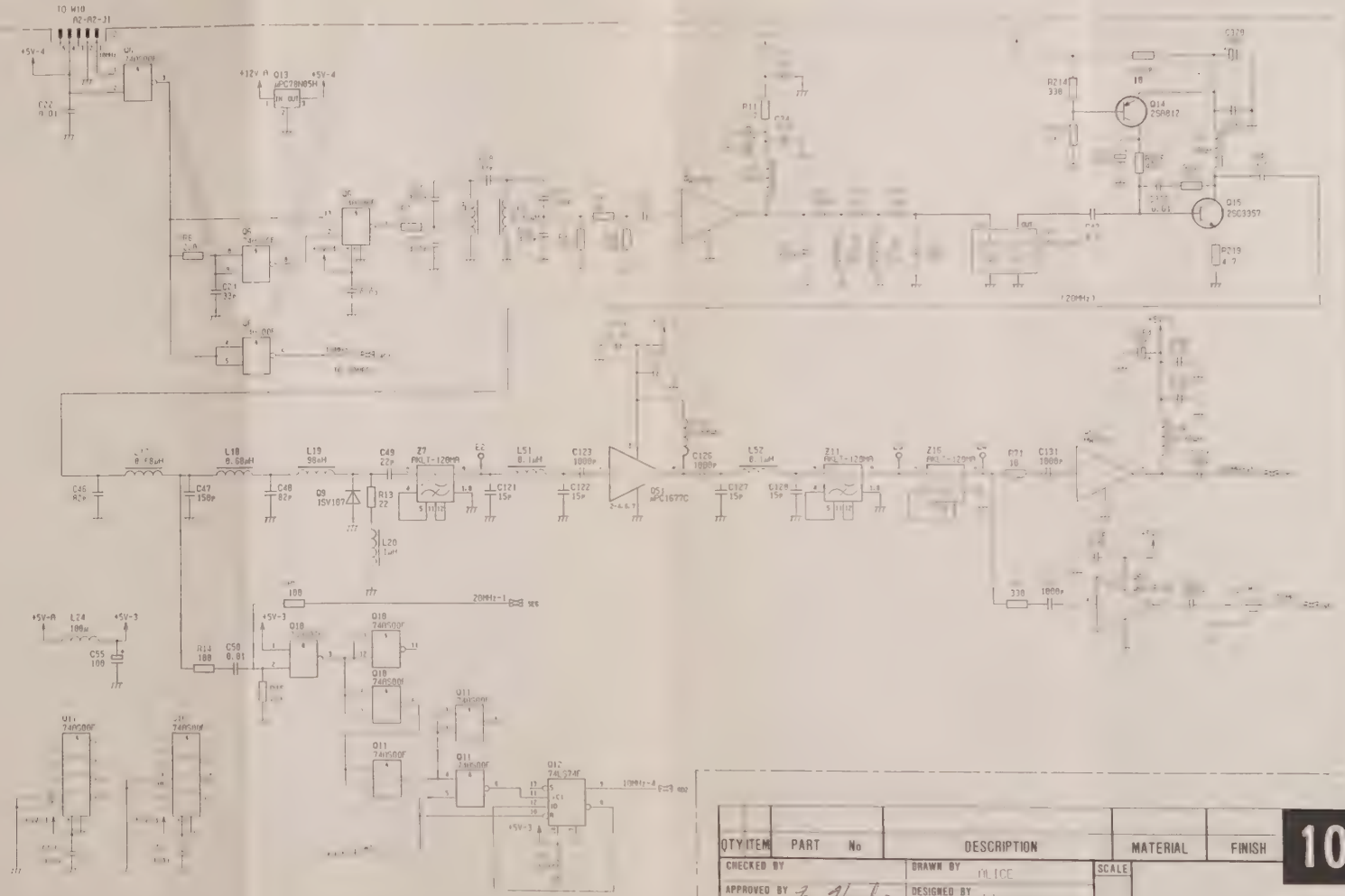

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ANRITSU CORP.

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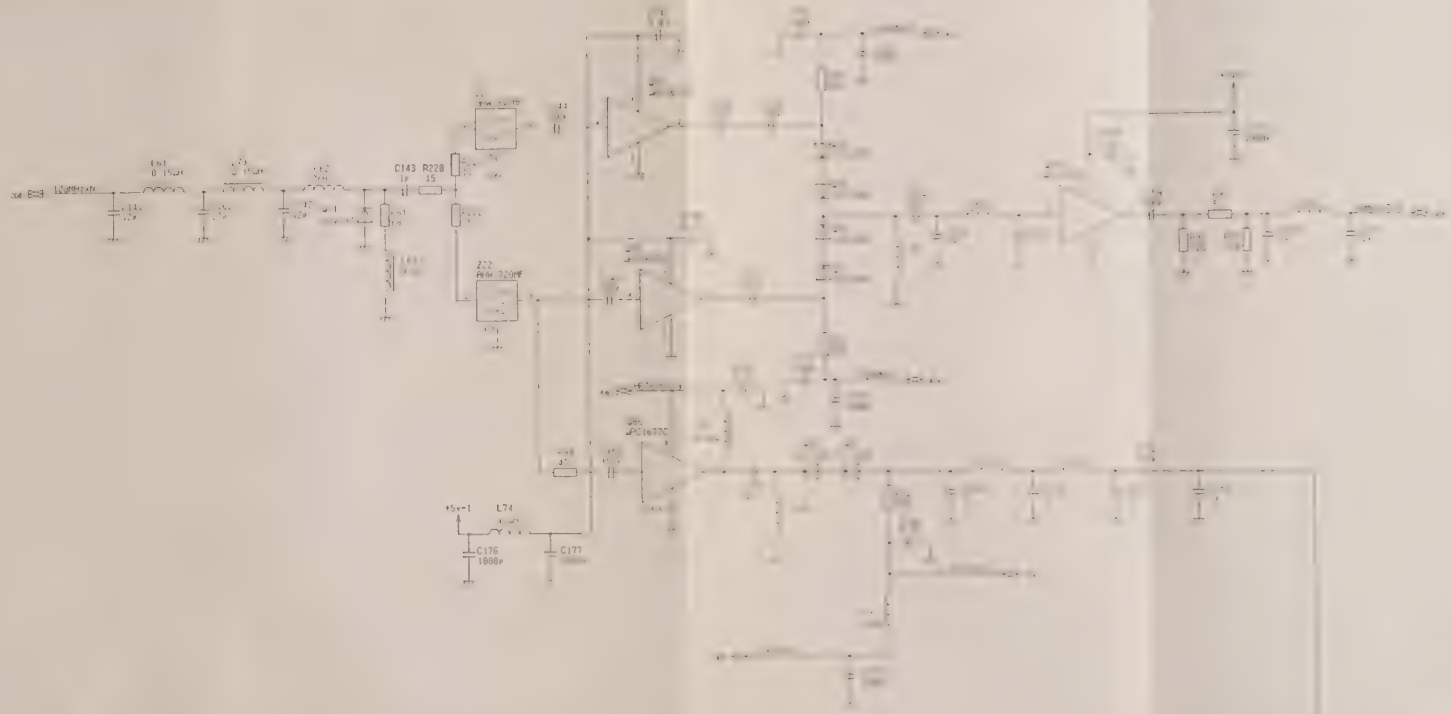

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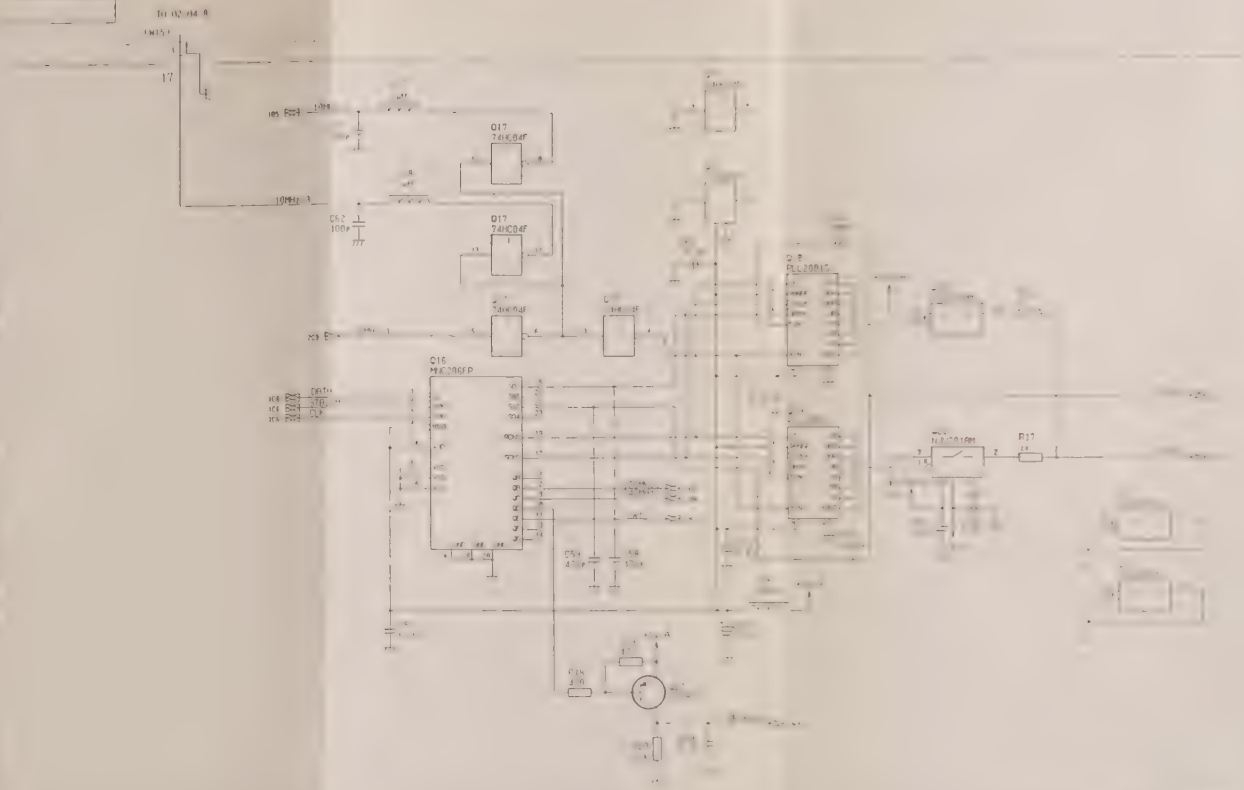

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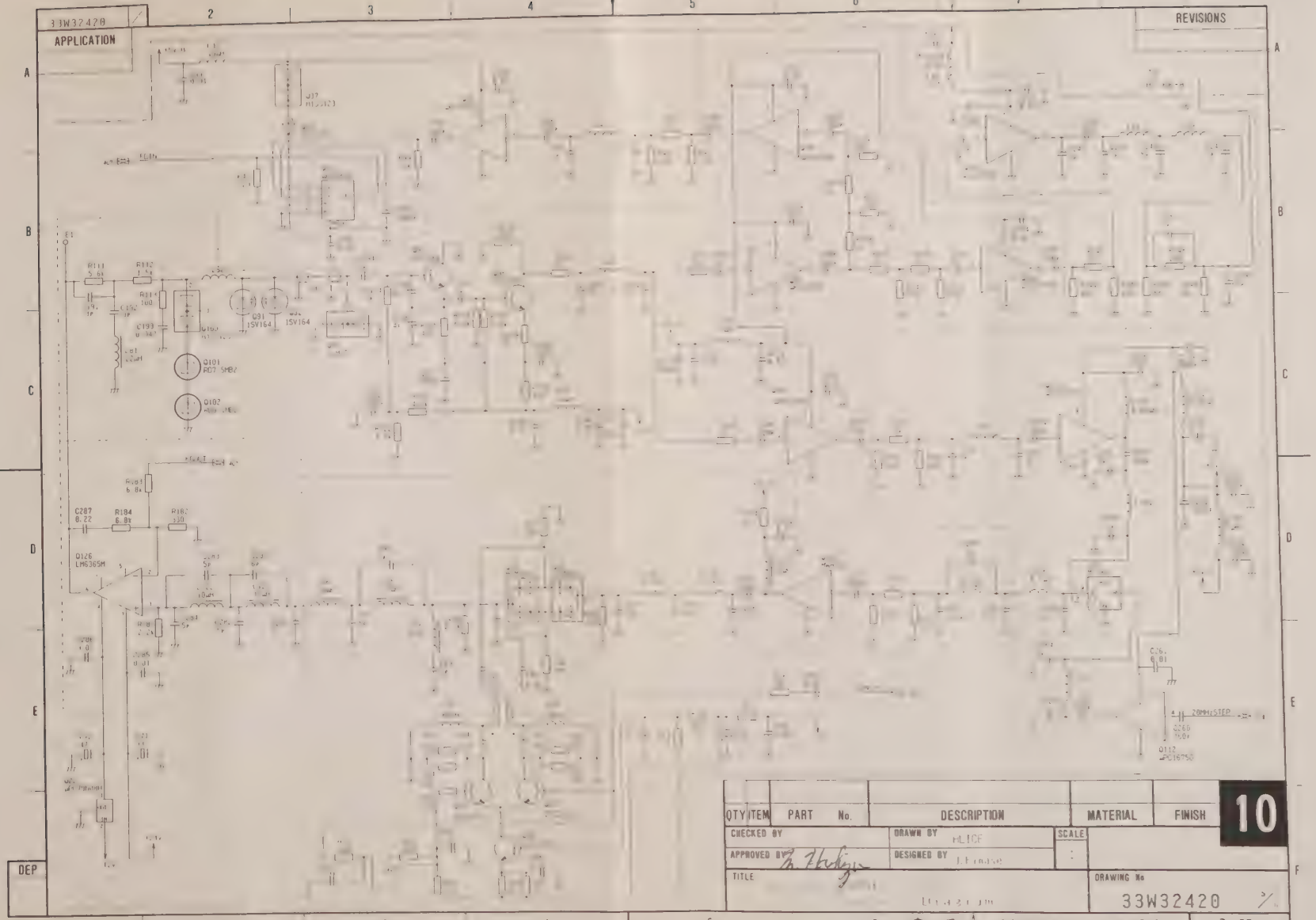
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8.22
R184
6.8k
R183
6.8k
R185
330
C193
C161
R111
5.6k
R112
R114
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C156
C66
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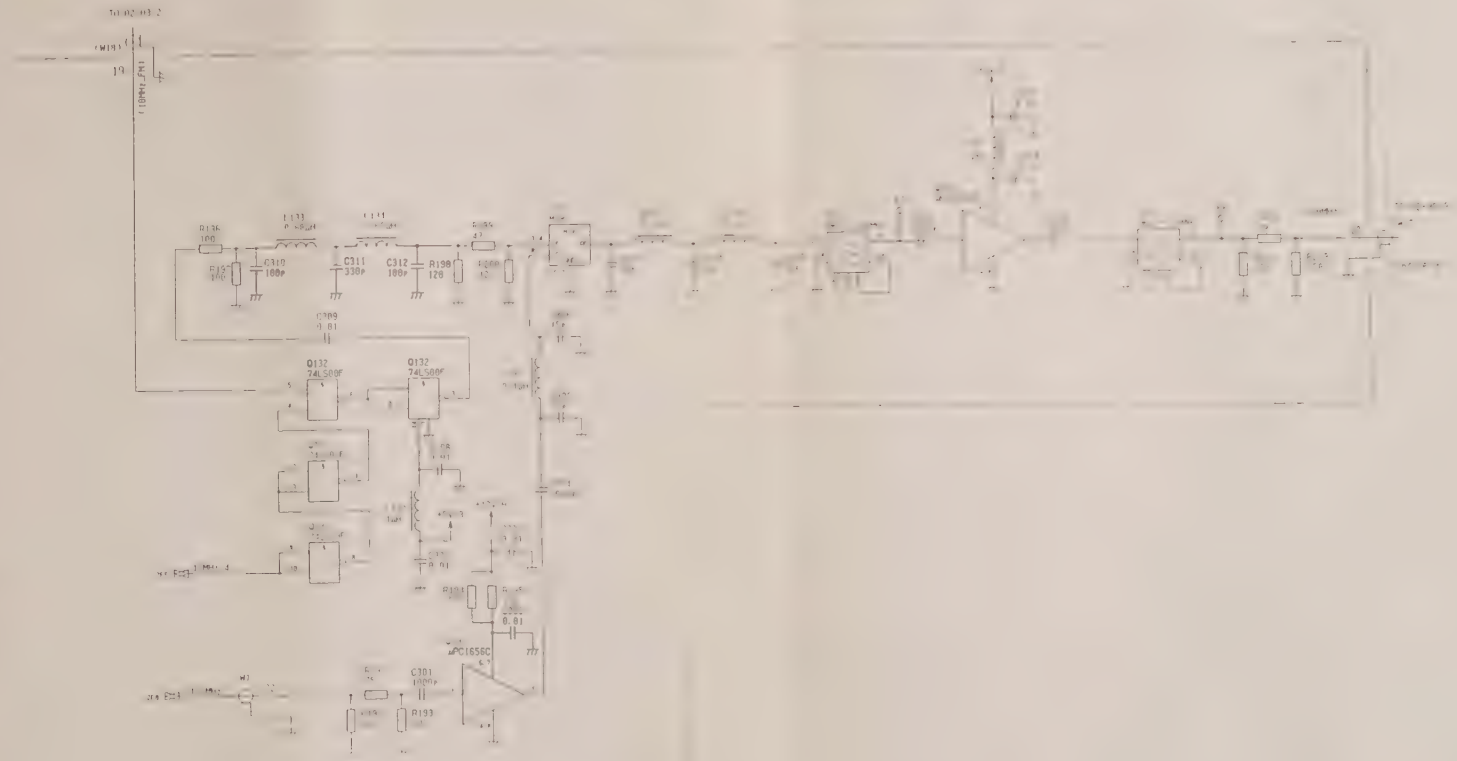

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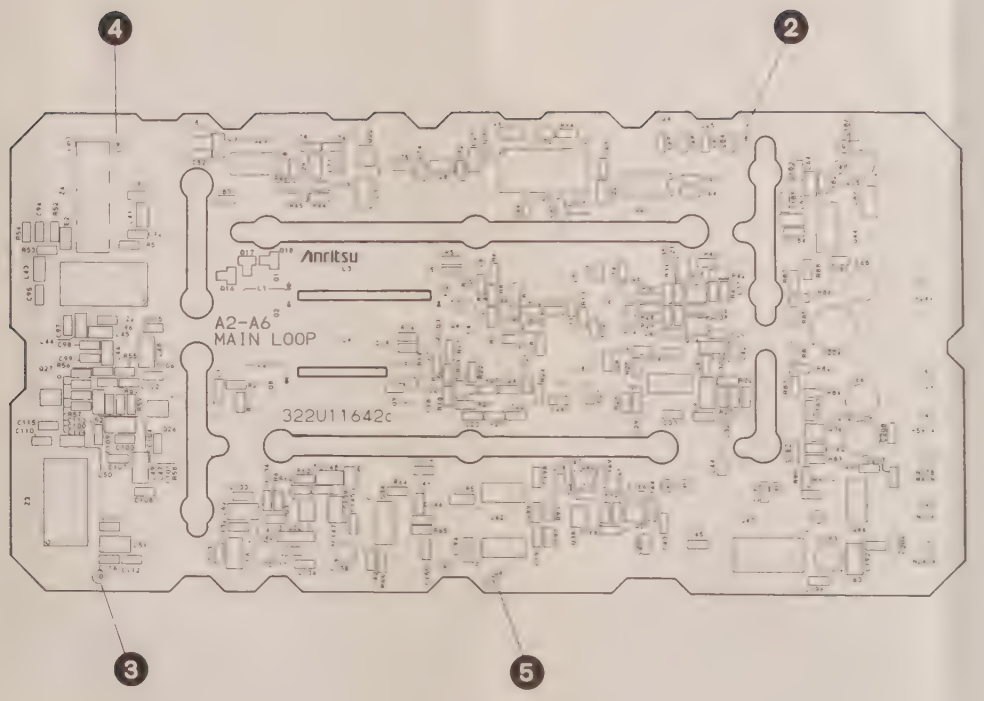
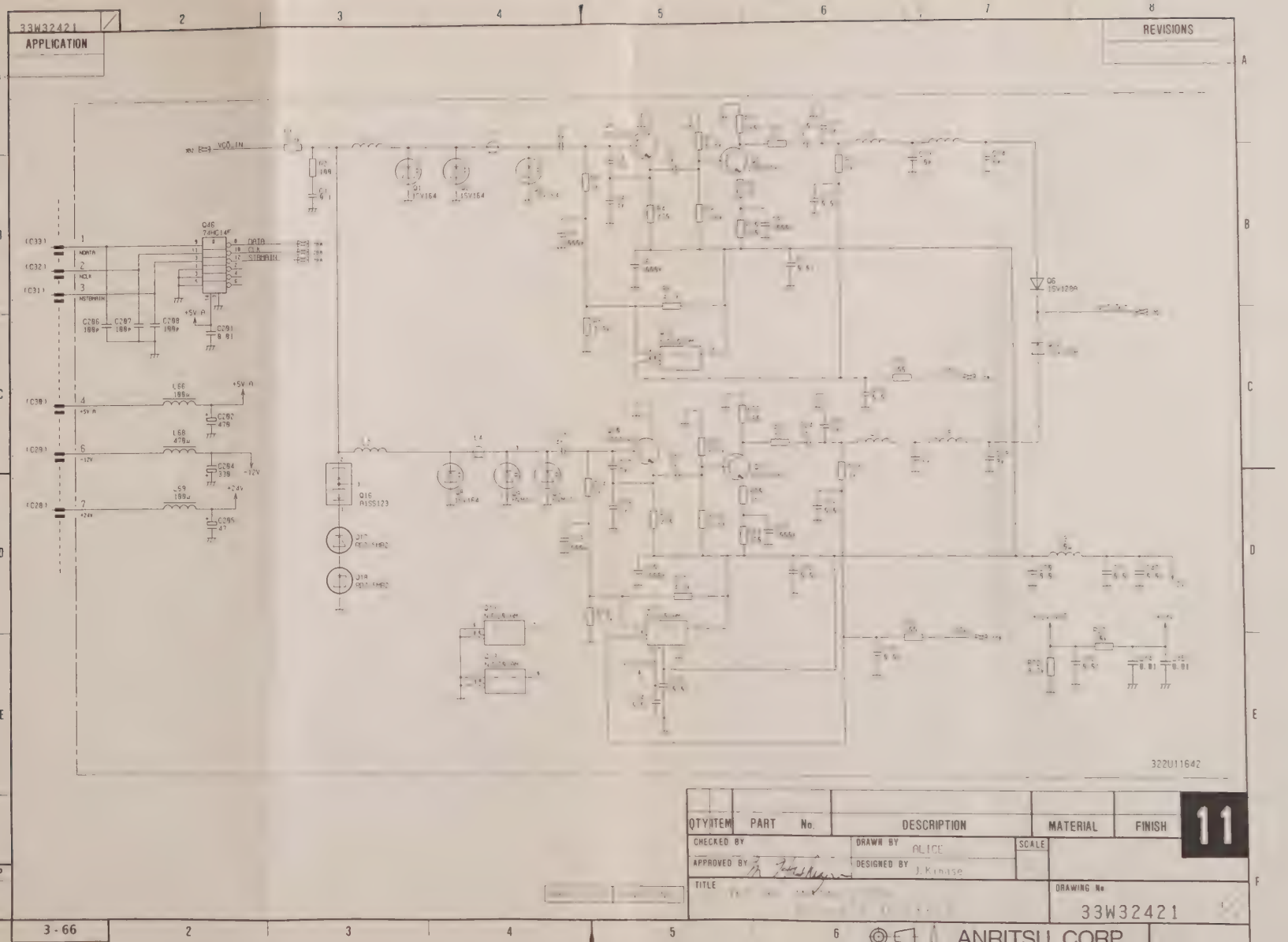


Fig. 3-26 A2-A6 MAIN LOOP PC-Board Parts Layout 11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-12V
+24V
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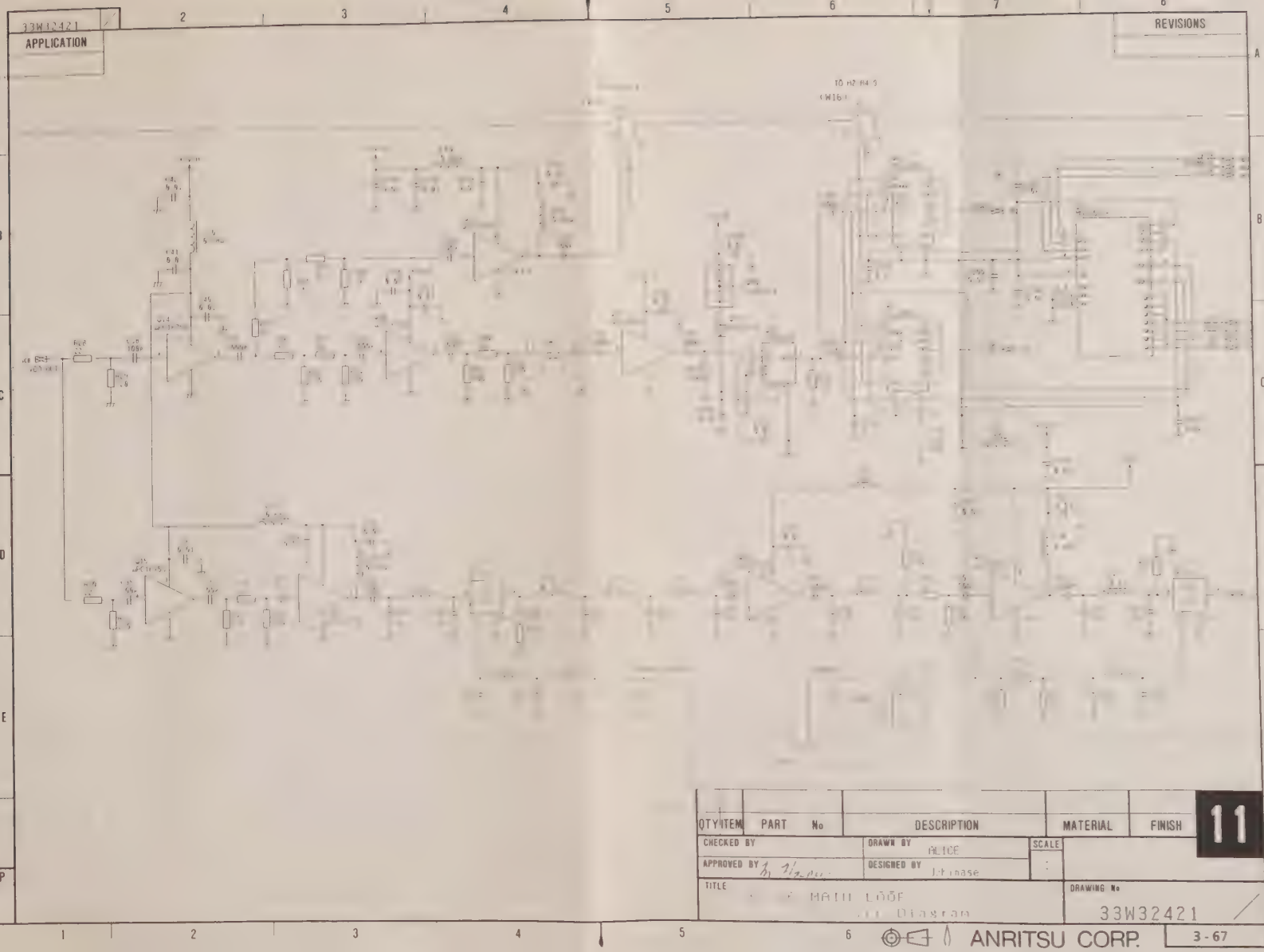
ANRITSU CORP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DESIGNED BY
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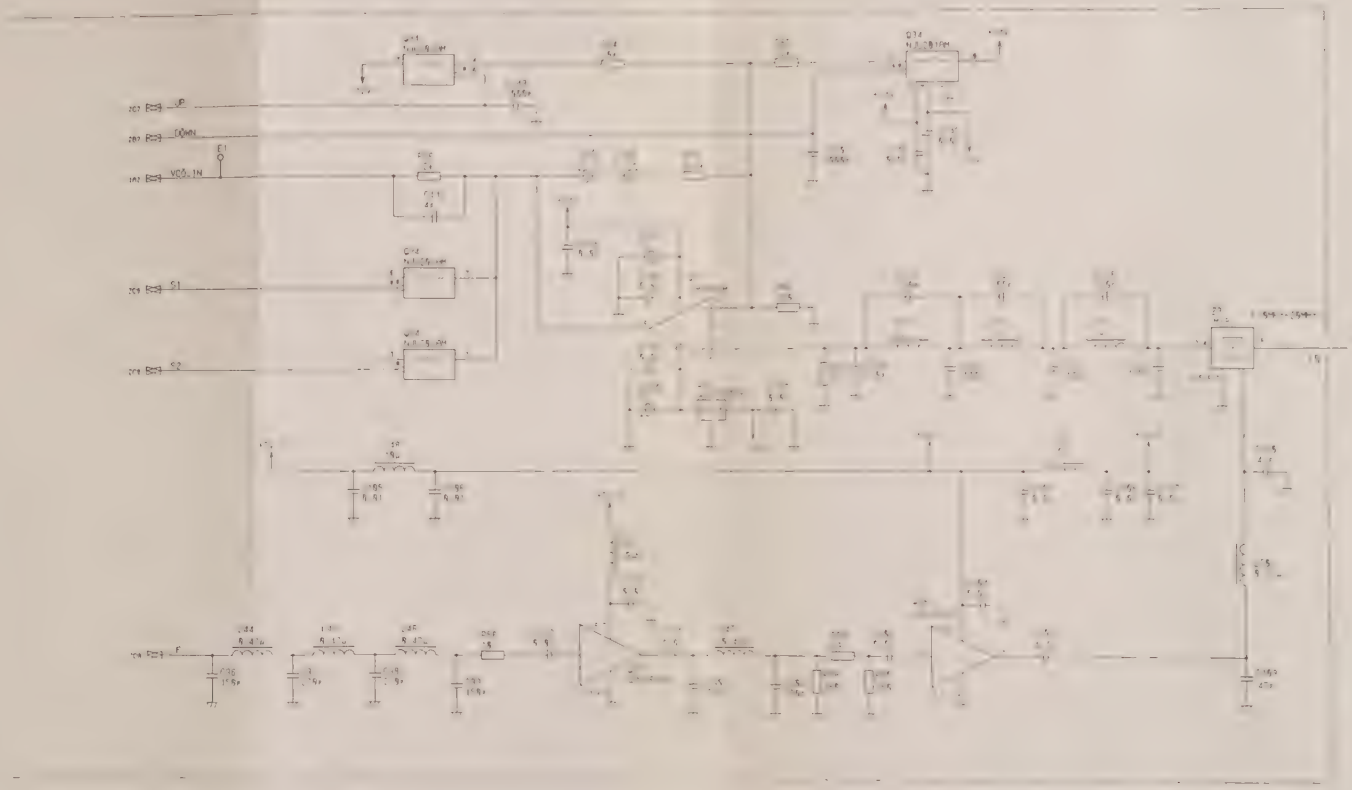

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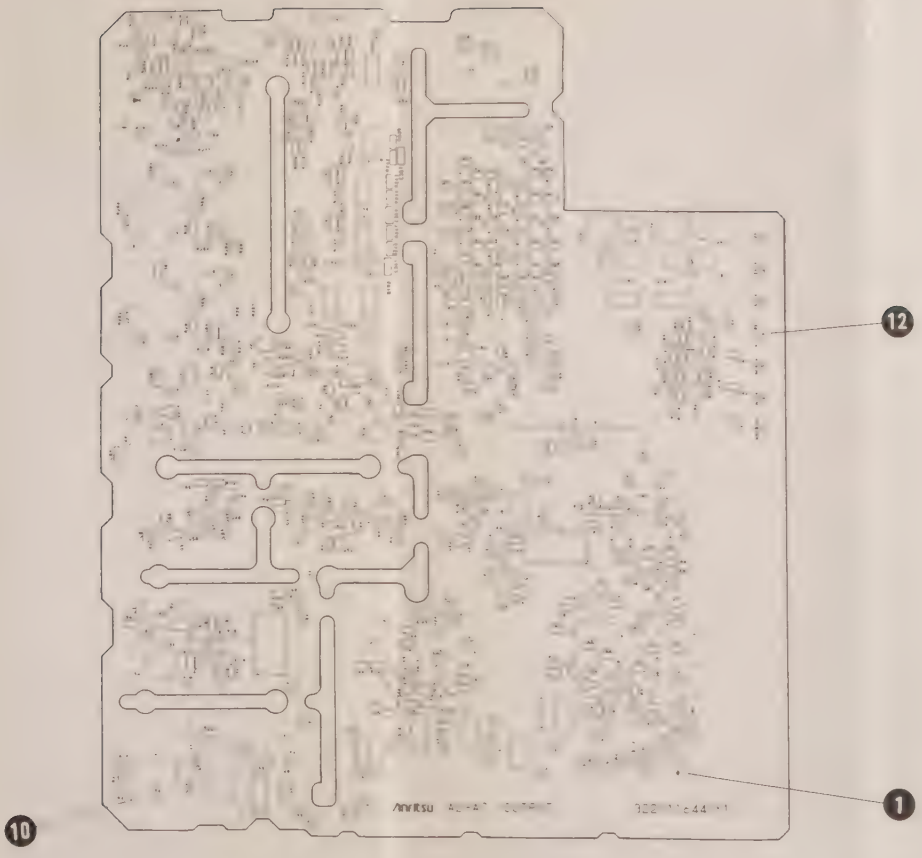
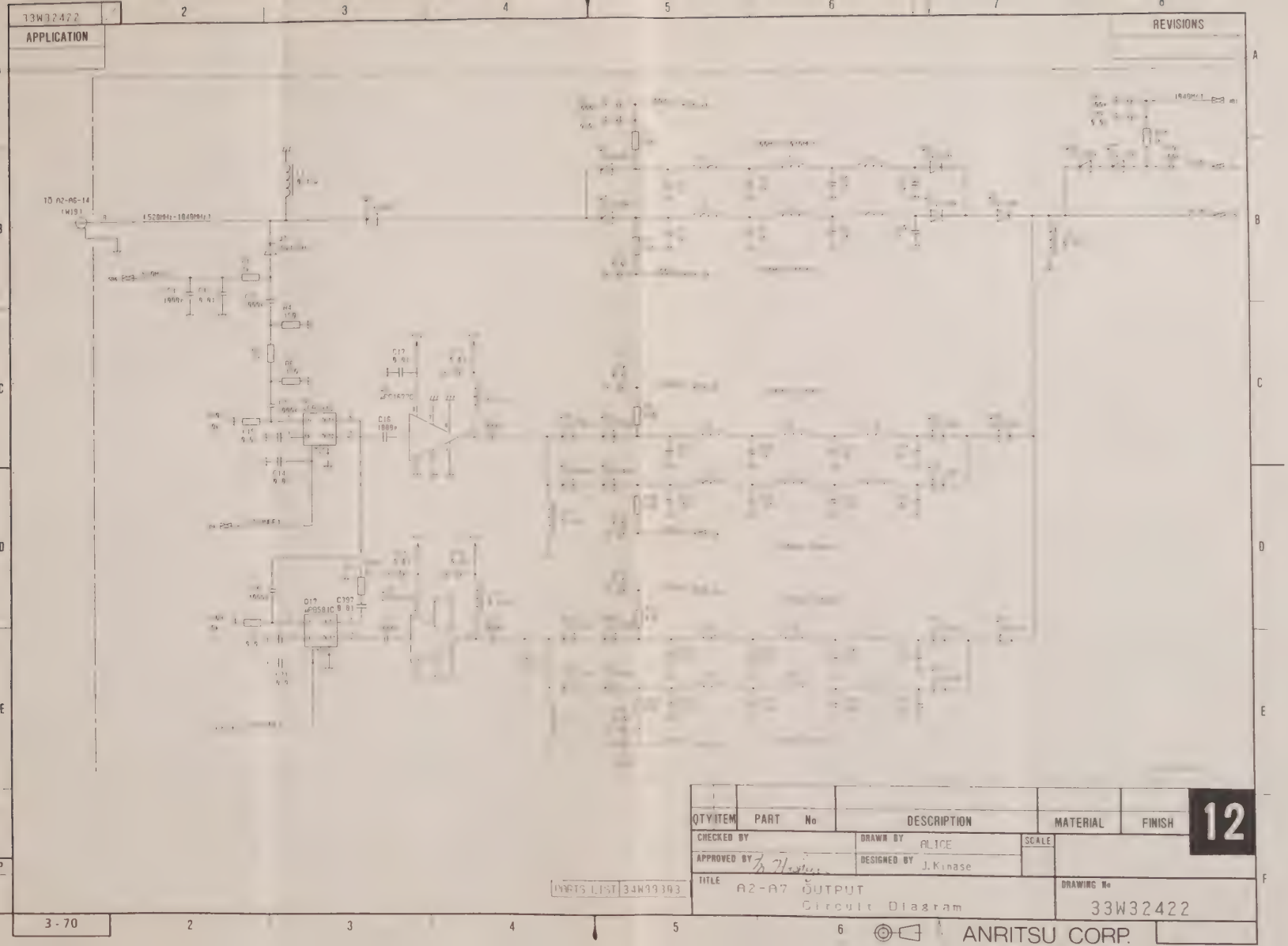


Fig. 3-27 A2-A7 OUTPUT PC-Board Parts Layout 12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DRAWN BY ALICE
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APPROVED BY
DESIGNED BY J.Kinase
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ANRITSU CORP.

APPLICATION

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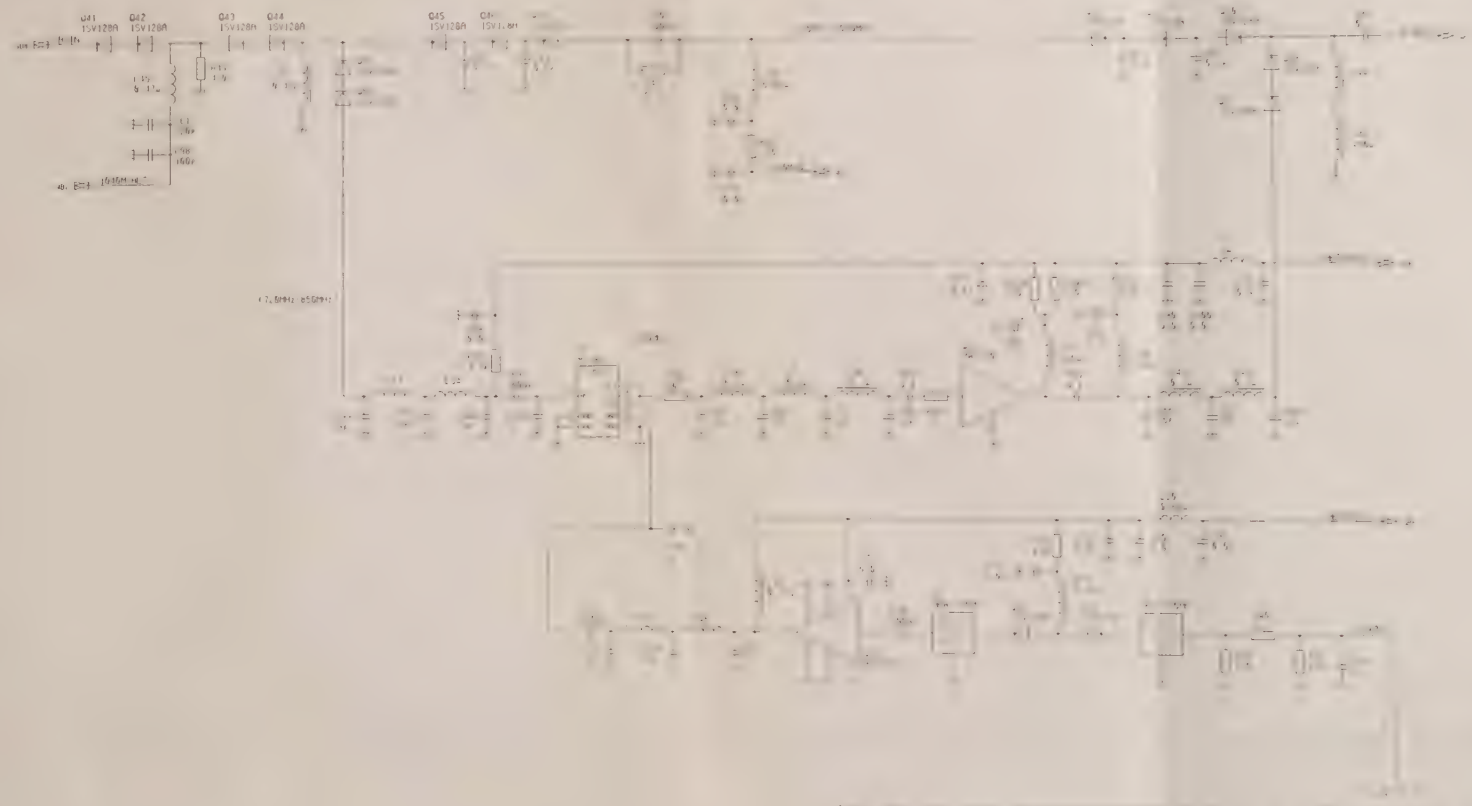

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APPLICATION

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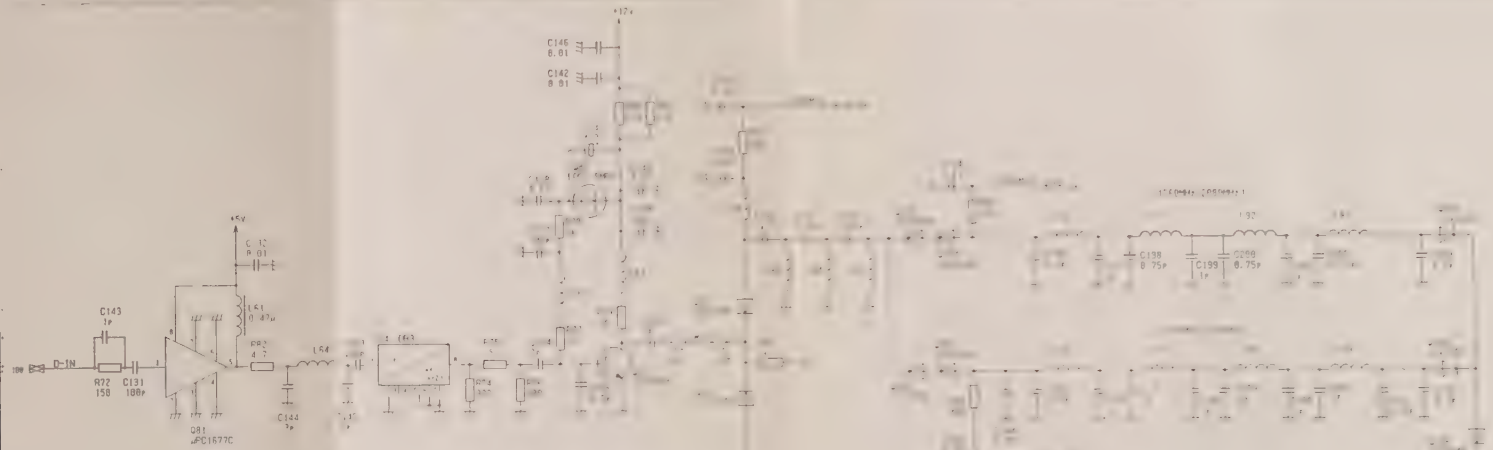

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APPLICATION

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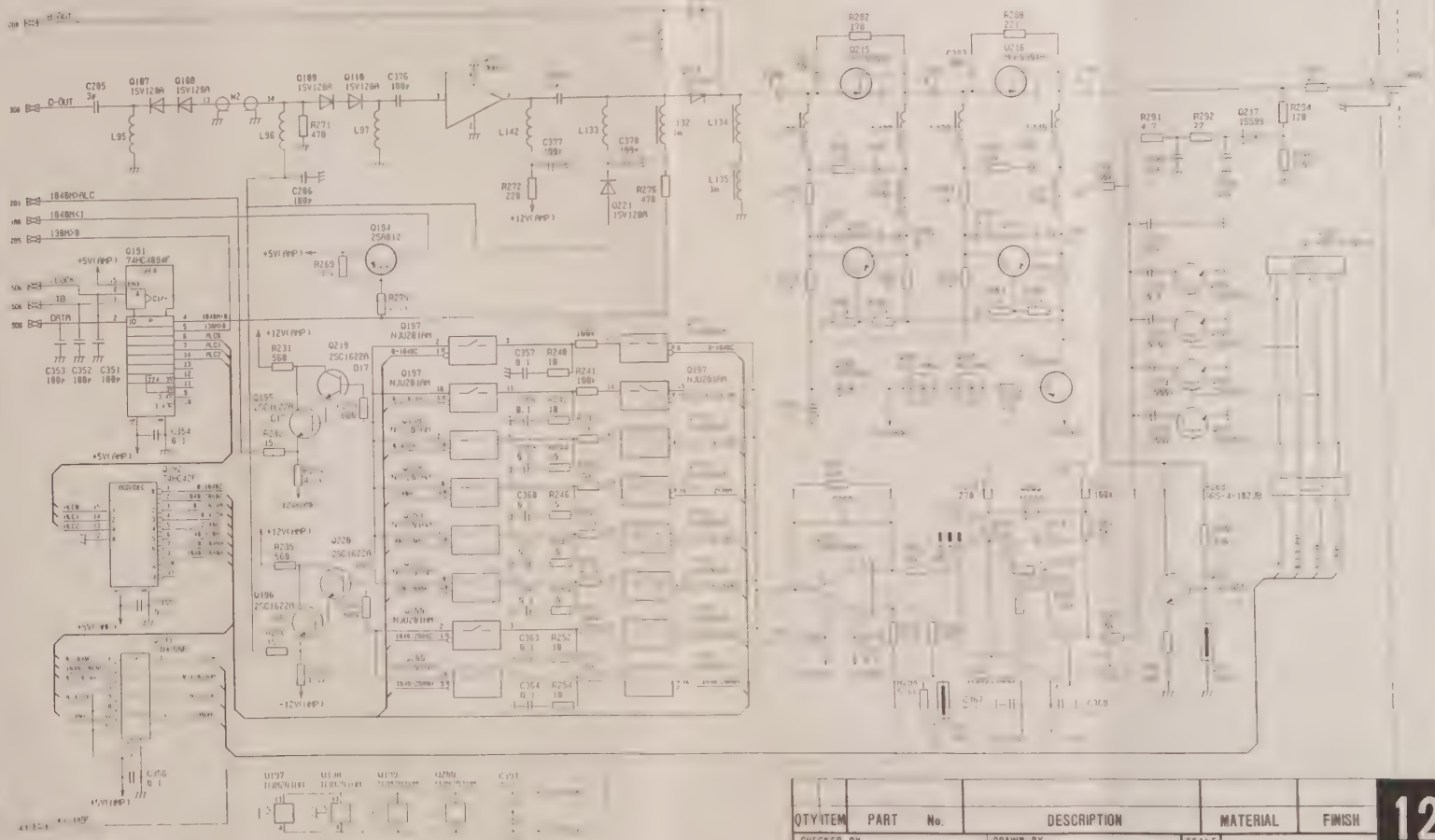

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CHECKED BY	DRAWN BY H.ICE	SCALE
APPROVED BY	DESIGNED BY J.Hanase	

TITLE: H2-A7 OUTPUT Circuit Diagram

DRAWING No. 33W32422

DEP

ANRITSU CORP.

33W32422

APPLICATION

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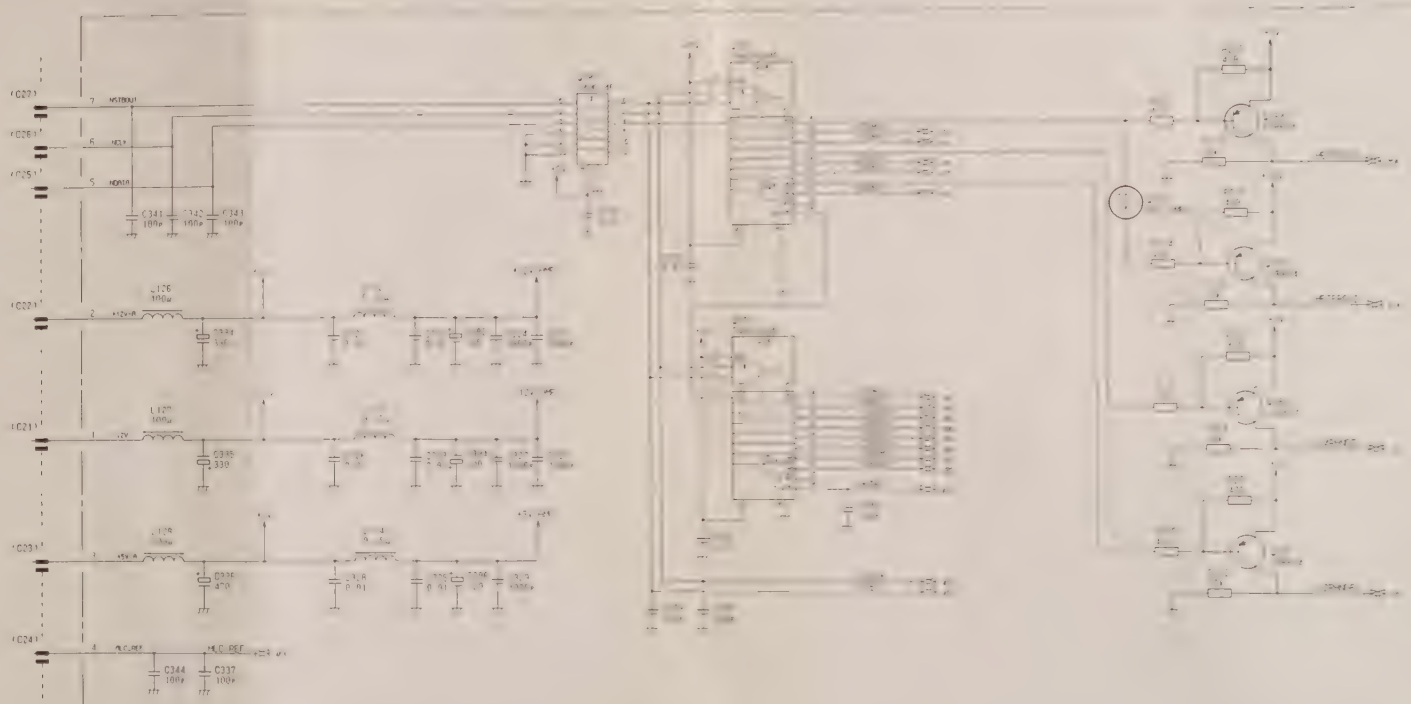

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DRAWN BY

DESIGNED BY

SCALE

TITLE

Diagram

DRAWING No

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ANRITSU CORP.

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Fig. 3-28 A2-A10 ATT DRIVE PC-Board Parts Layout 13

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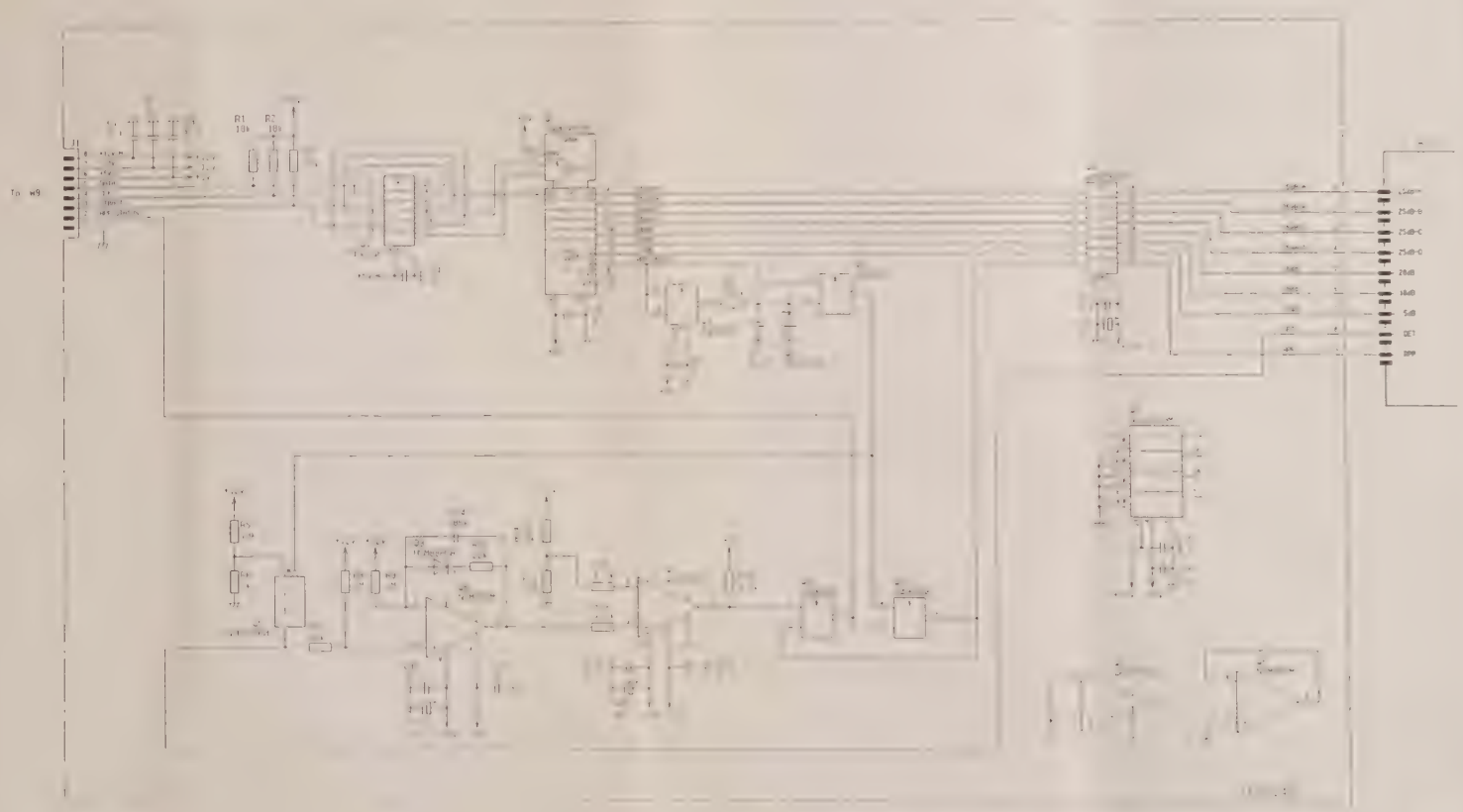

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ANRITSU CORP.

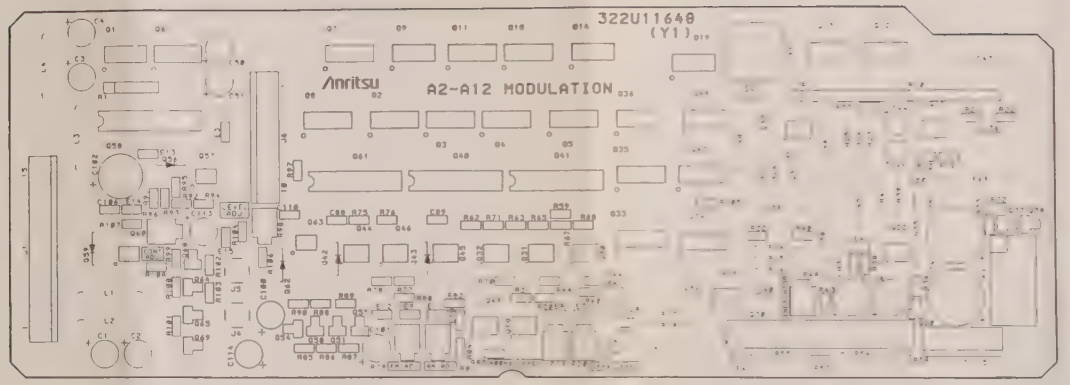


Fig. 3-29 (1.2) A2-A12 MODULATION PC-Board Parts Layout (Parts Side) 14

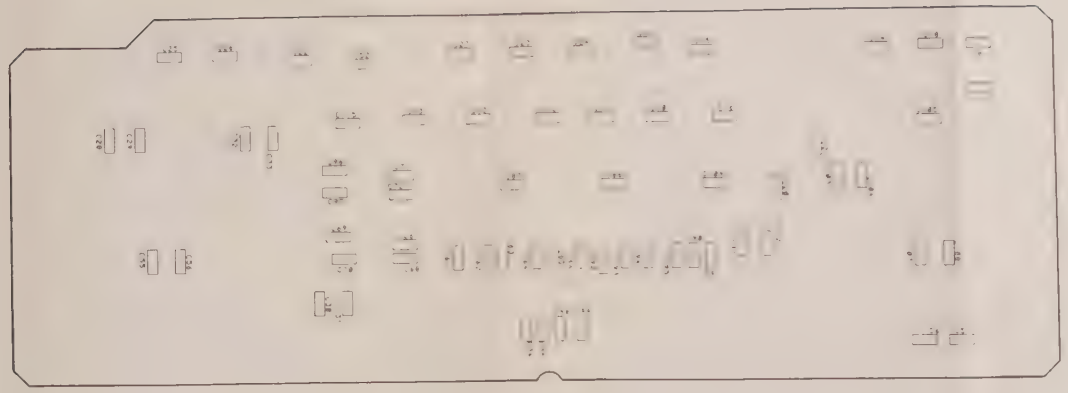
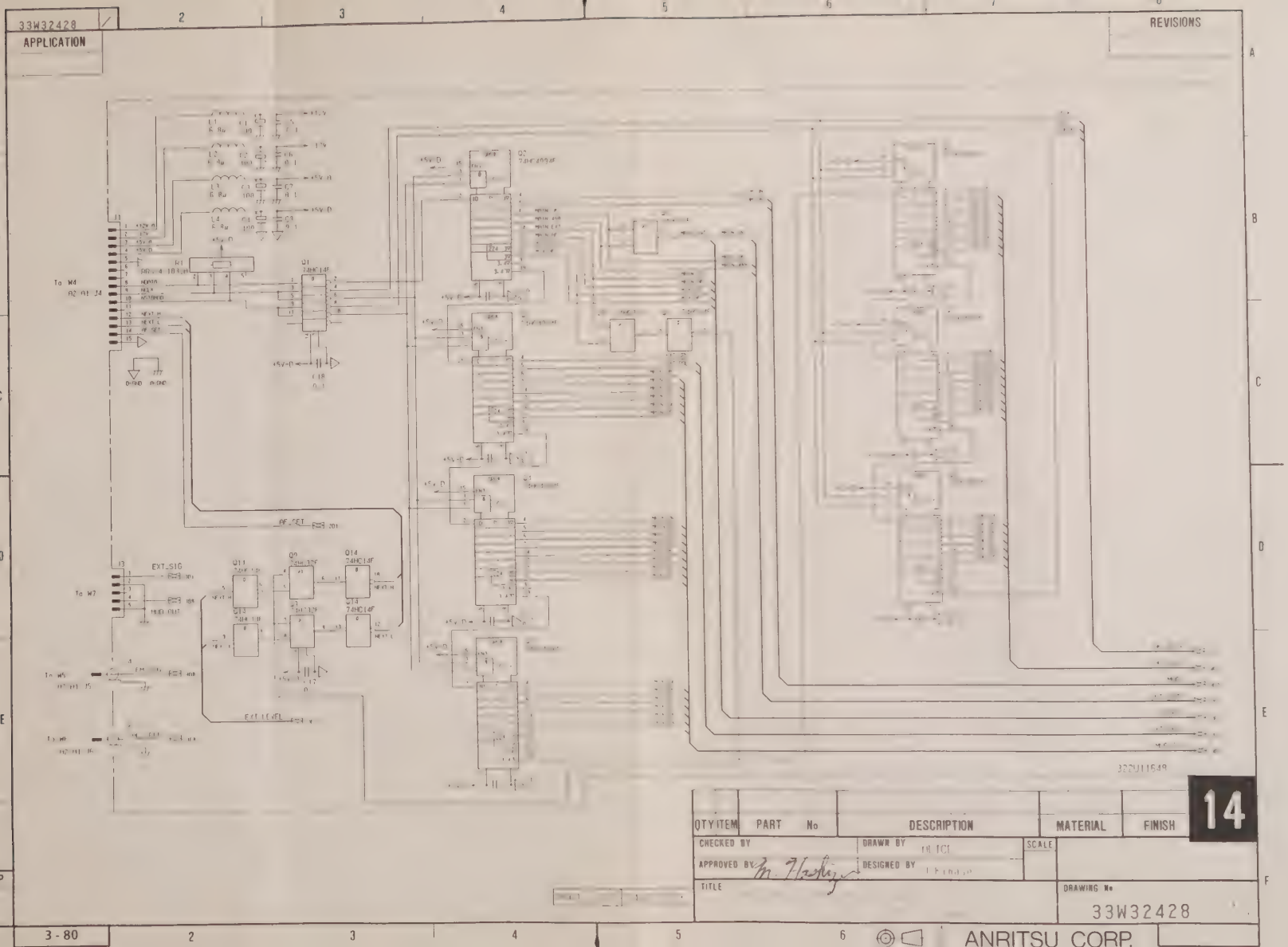


Fig. 3-29 (2/2) A2-A12 MODULATION PC-Board Parts Layout (Pattern Side) 14


33W32428
APPLICATION
REVISIONS
To W4
To W7
To W5
To W8
EXT_SIG
RF_SET
EXT_LEVEL
QTY ITEM
PART No
DESCRIPTION
MATERIAL
FINISH
14
CHECKED BY
APPROVED BY
DRAWN BY
DESIGNED BY
SCALE
TITLE
DRAWING No
33W32428
ANRITSU CORP.
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DEP

33W32428

APPLICATION

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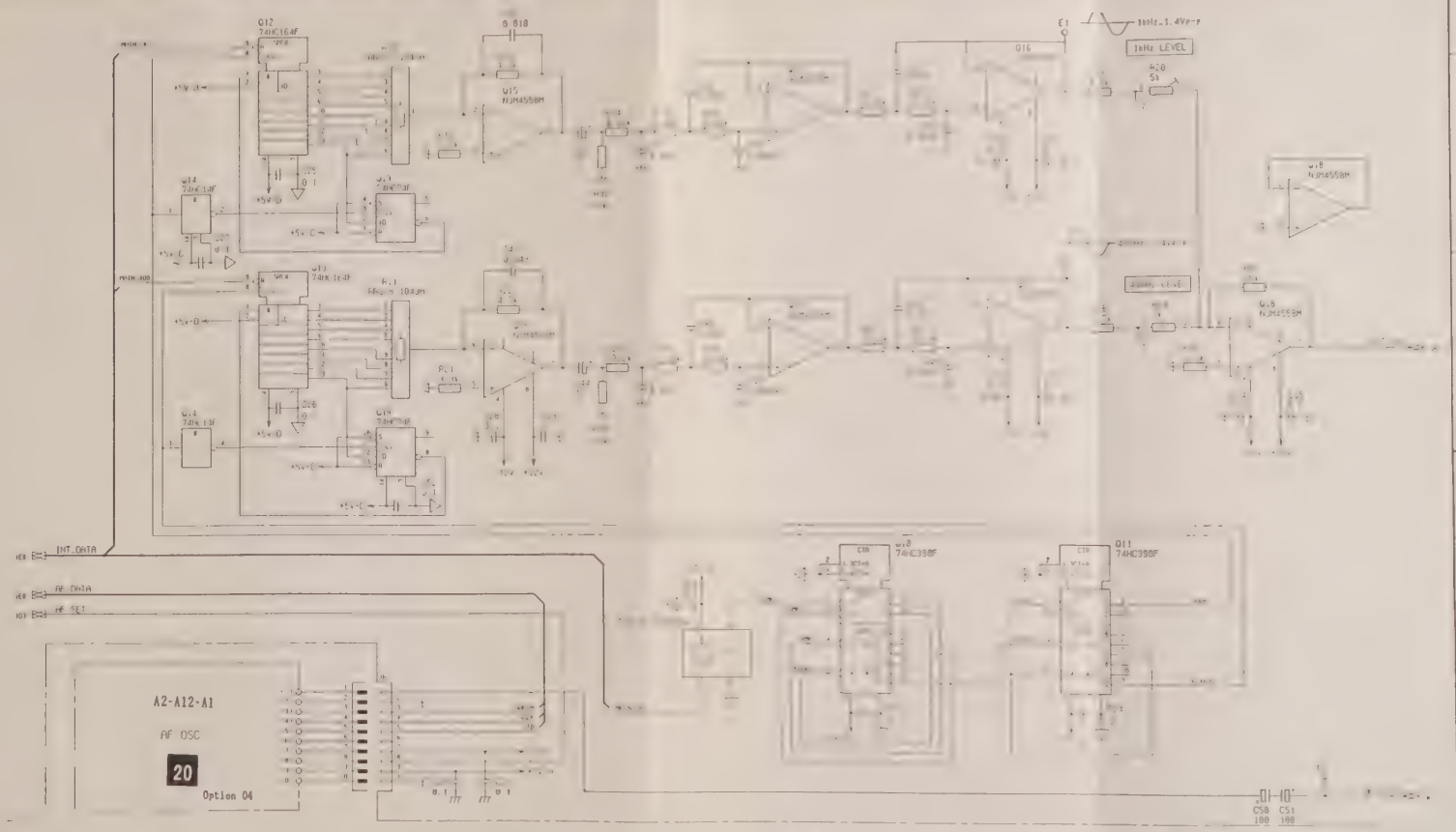


QTY	ITEM	PART No	DESCRIPTION	MATERIAL	FINISH

CHECKED BY

APPROVED BY

DRAWN BY M.ICE

DESIGNED BY J.Kanase

SCALE

TITLE

OUTLINE

Circuit Diagram

DRAWING No

33W32428

14

DEP

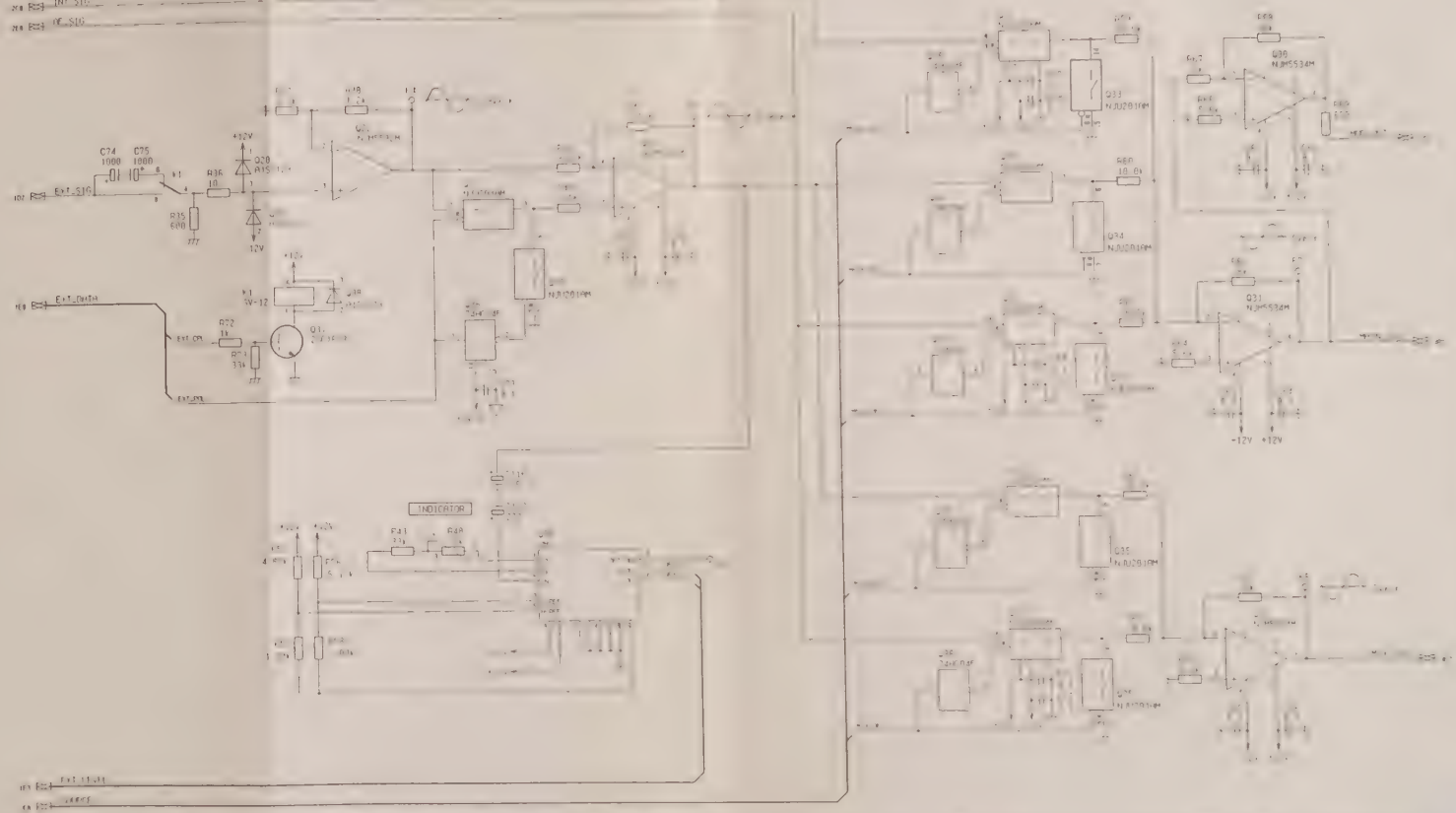
ANRITSU CORP.

3-81

33W32428

APPLICATION

REVISIONS



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SCALE

TITLE

DRAWING No 33W32428

14

DEP

ANRITSU CORP.

33W32428

APPLICATION

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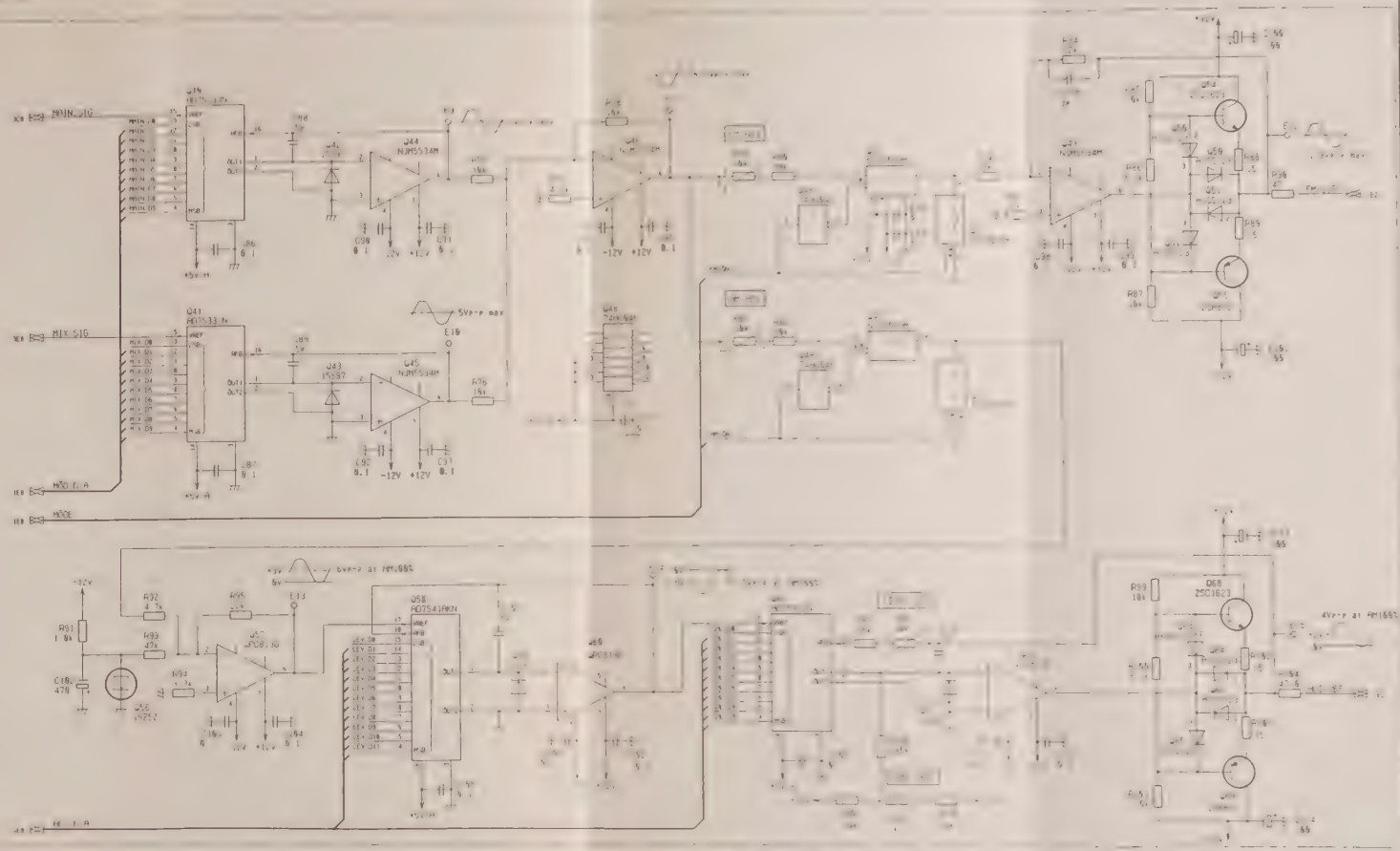

QTY	ITEM	PART No	DESCRIPTION	MATERIAL	FINISH

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DRAWING No 33W32428

14

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ANRITSU CORP.

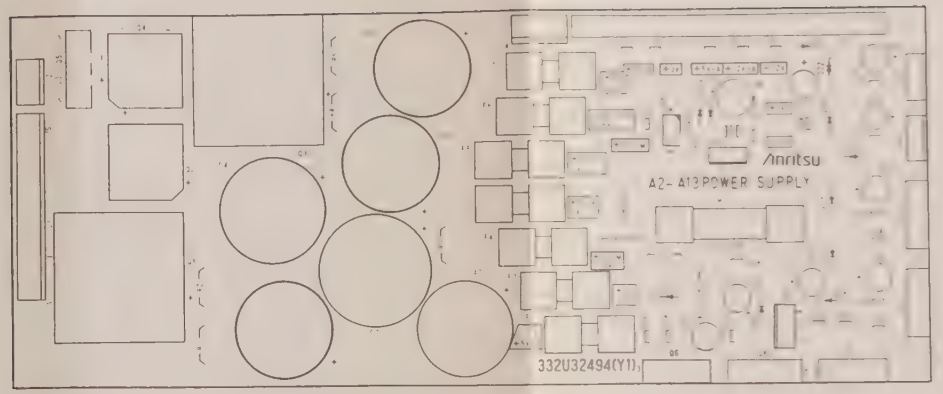
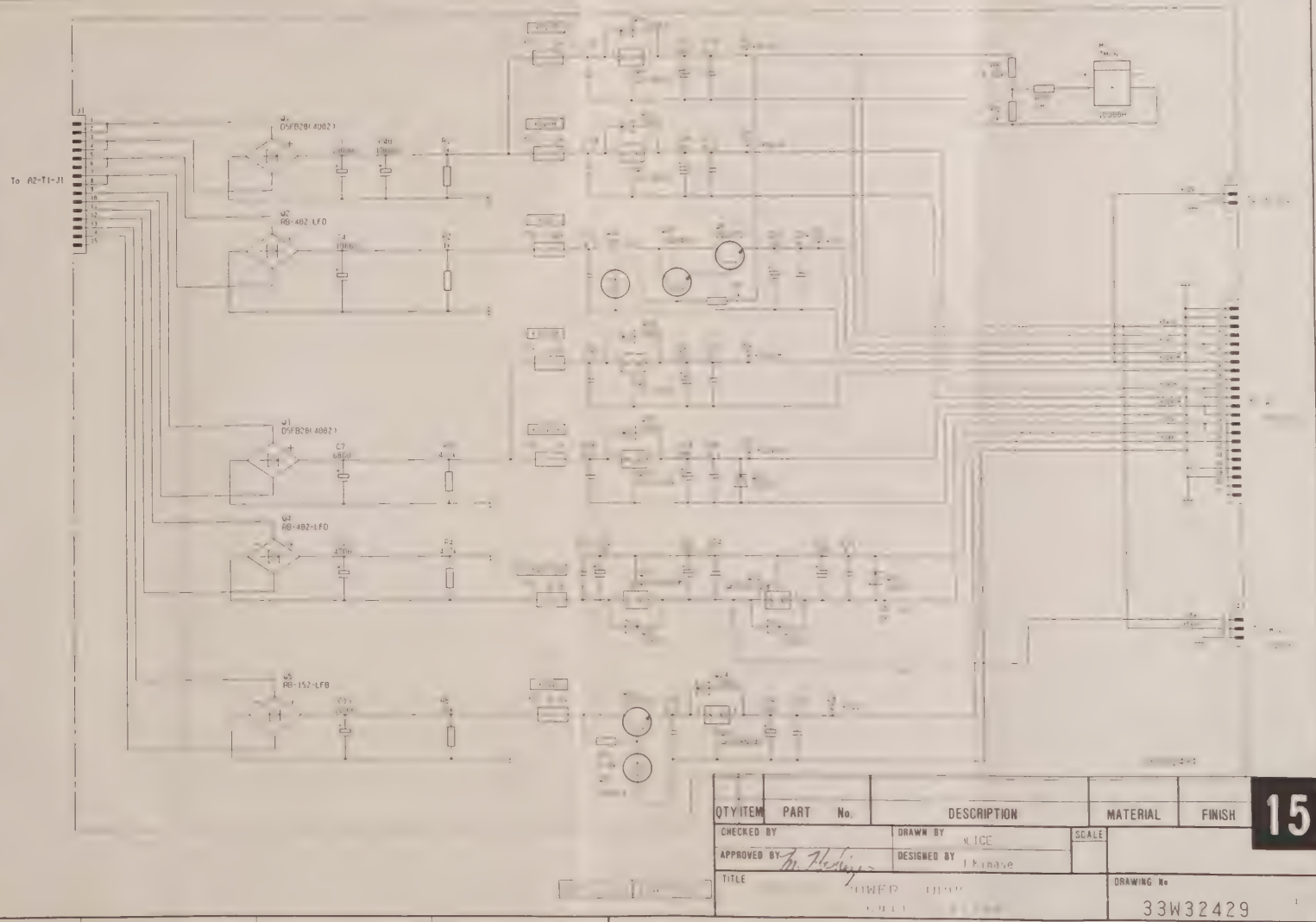


Fig. 3-30 A2-A13 POWER SUPPLY PC-Board Parts Layout 15

33W32429

APPLICATION

REVISIONS



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15

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APPROVED BY	DESIGNED BY	
TITLE		DRAWING No. 33W32429

DEP

ANRITSU CORP.

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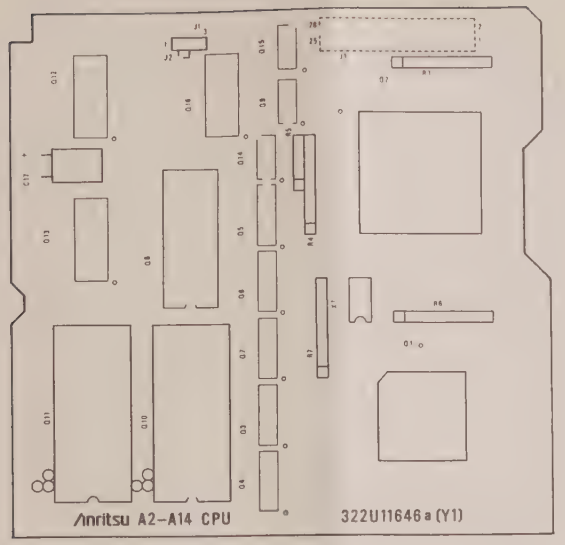

Fig. 3-31 (1/2) A2-A14 CPU PC-Boards Parts Layout (Parts Side) 16

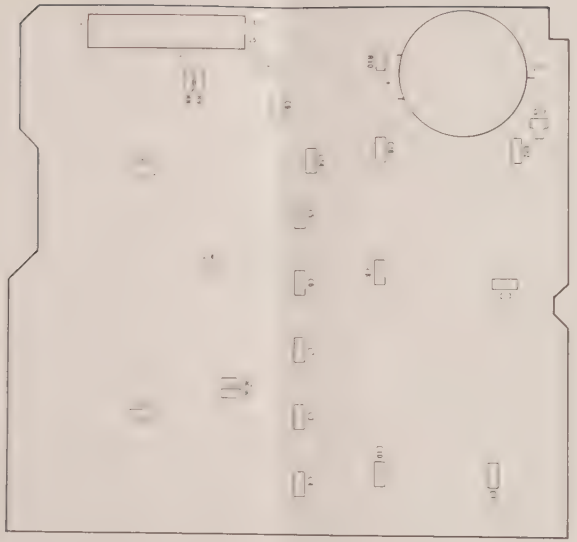

Fig. 3-31 (2/2) A2-A14 CPU PC-Boards Parts Layout (Pattern Side) 16

33W32430

APPLICATION

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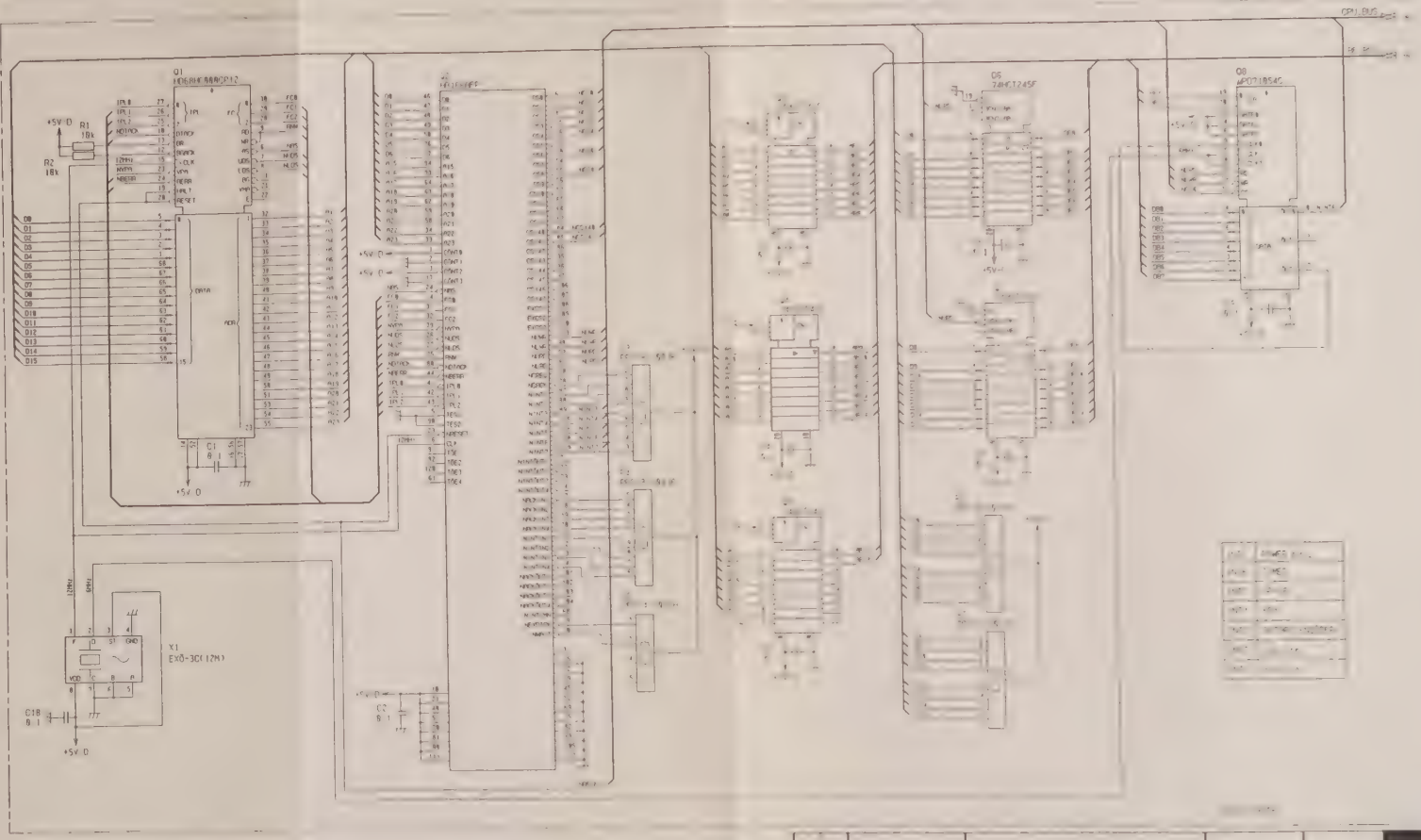

QTY	ITEM	PART No	DESCRIPTION	MATERIAL	FINISH

16

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APPROVED BY

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DESIGNED BY

SCALE

TITLE

DRAWING No. 33W32430

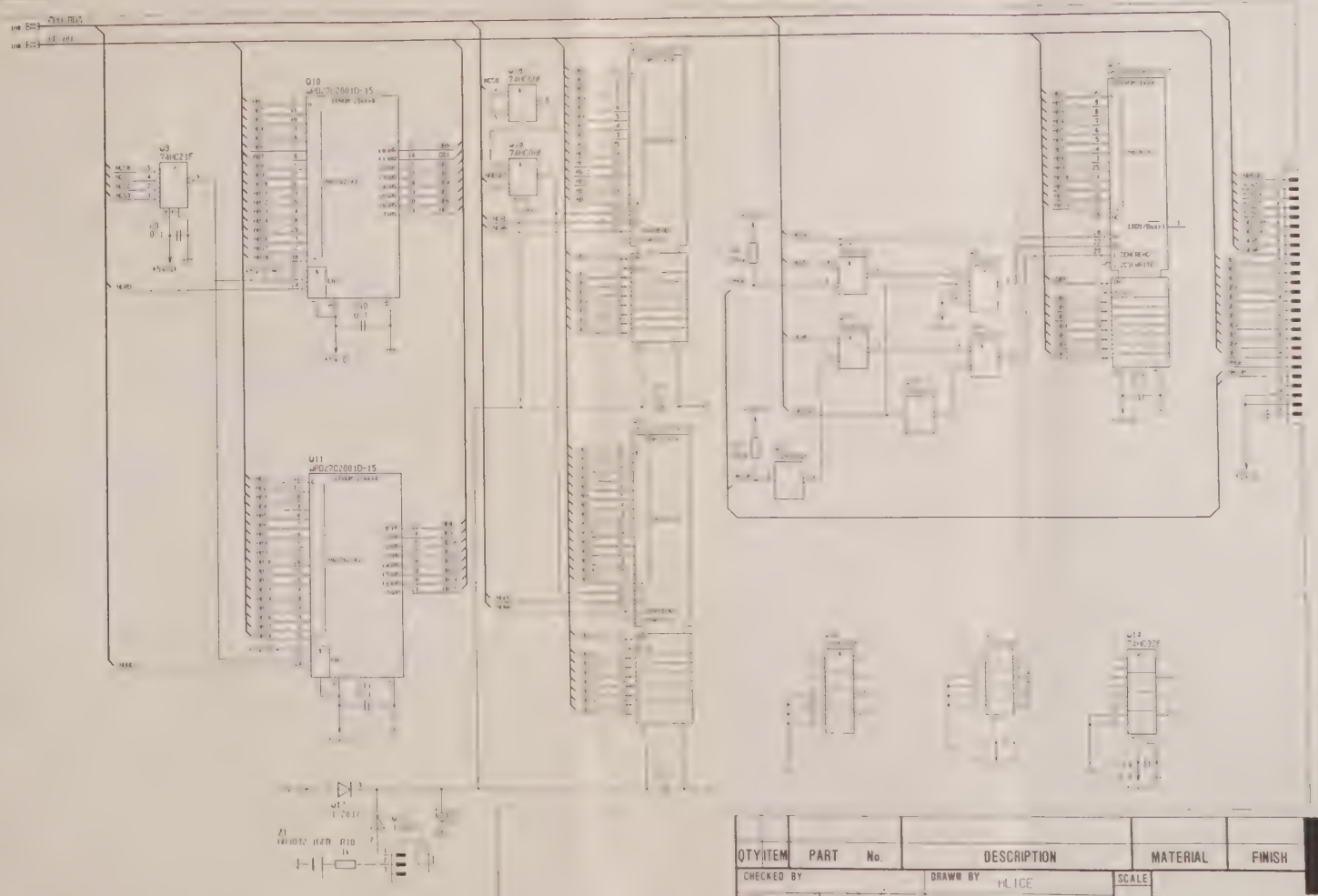
DEP

ANRITSU CORP.

33W32430

APPLICATION

REVISIONS



QTY	ITEM	PART No.	DESCRIPTION	MATERIAL	FINISH

CHECKED BY	DRAWN BY HLICE	SCALE	16
APPROVED BY	DESIGNED BY J.Kanase		
TITLE		DRAWING No 33W32430	

OEP

ANRITSU CORP.

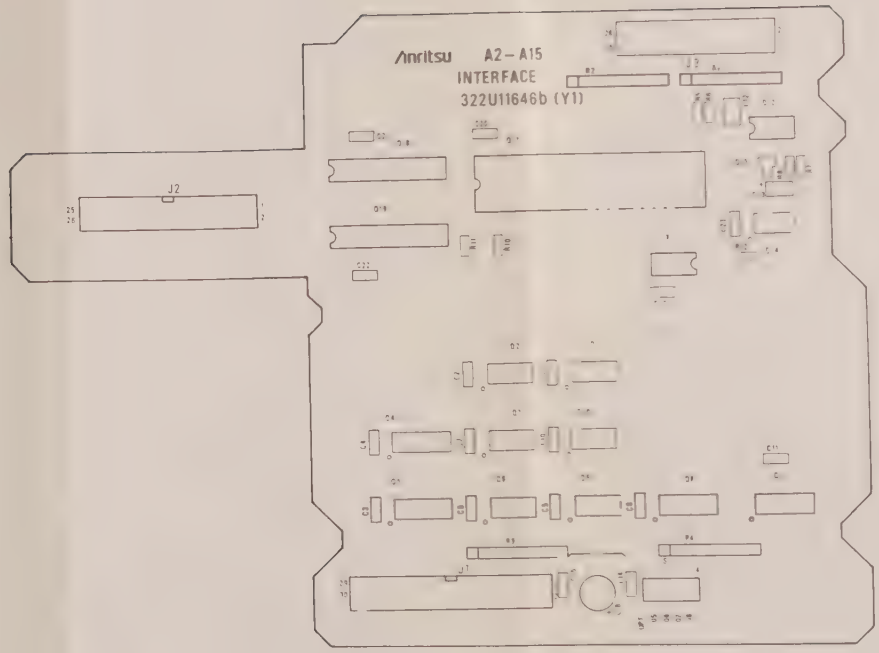
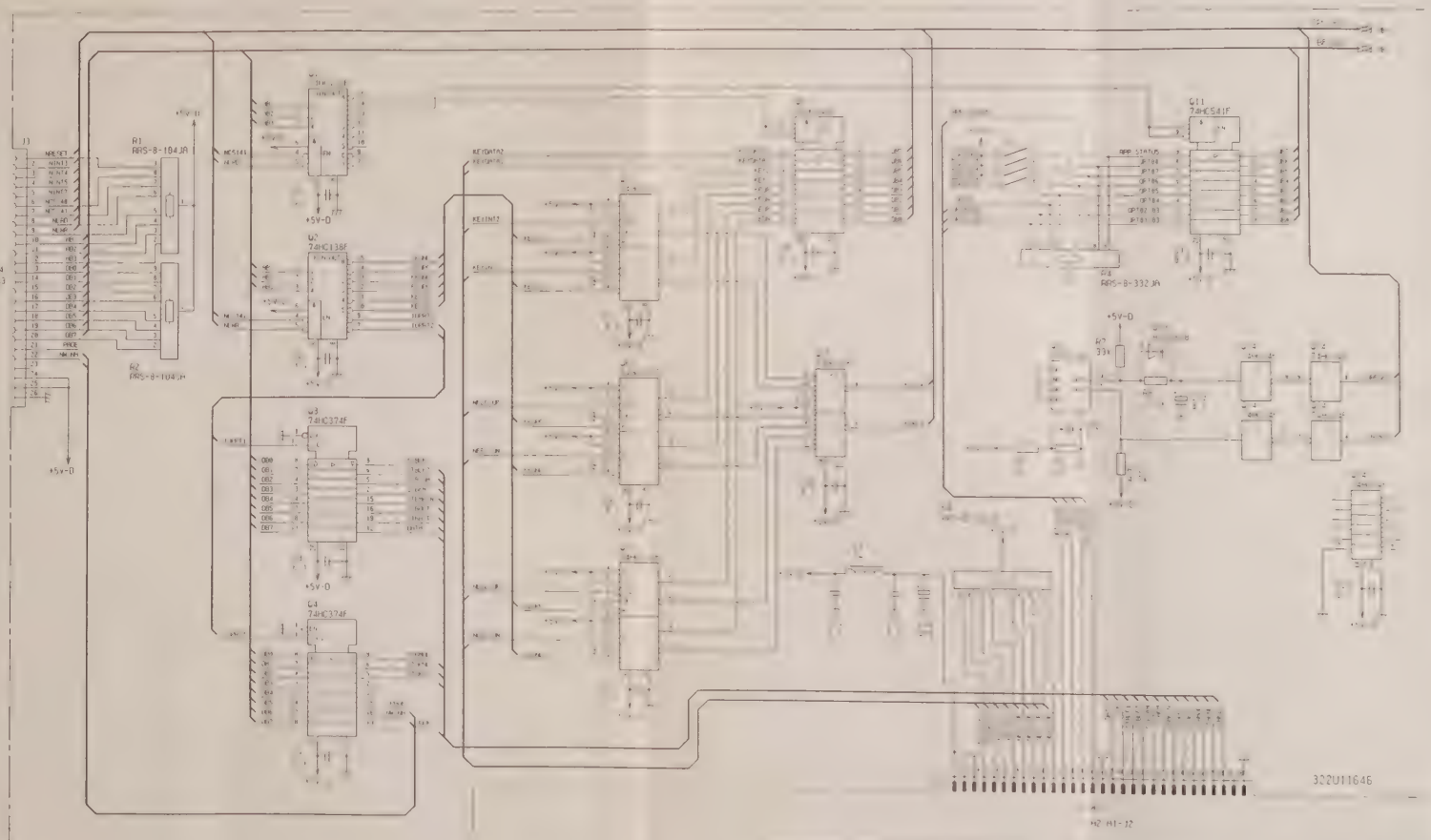


Fig. 3-32 A2-A15 INTERFACE PC-Board Parts Layout 17

33W32431

APPLICATION

REVISIONS



QTY	ITEM	PART No.	DESCRIPTION	MATERIAL	FINISH

17

CHECKED BY

APPROVED BY

DRAWN BY ALICE

DESIGNED BY J.Kinose

SCALE

TITLE

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ANRITSU CORP.

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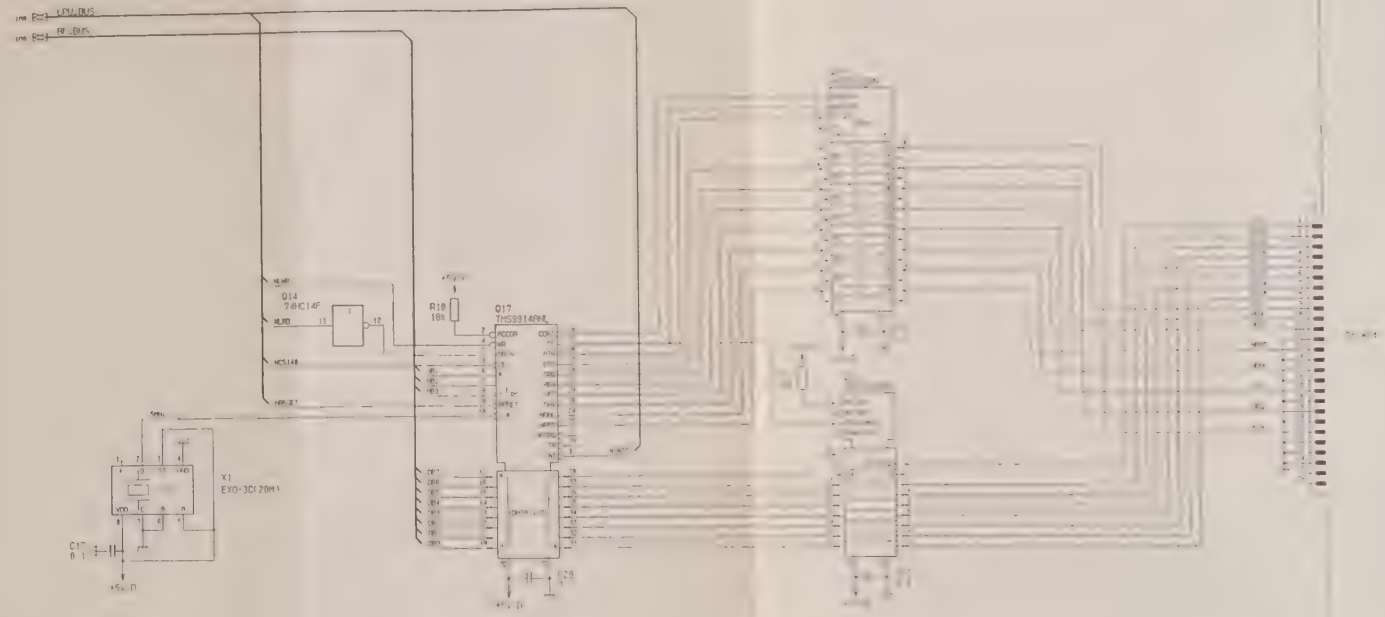

QTY	ITEM	PART No	DESCRIPTION	MATERIAL	FINISH

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APPROVED BY

DRAWN BY

DESIGNED BY

SCALE

TITLE

DRAWING No 33W32431 2/2

17

DEP

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ANRITSU CORP.

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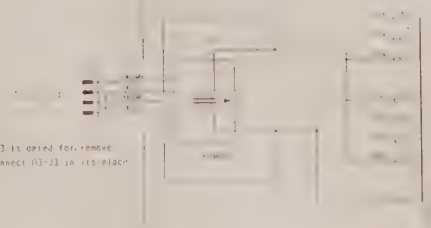
APPLICATION

REVISIONS



When option A3 is opted for, remove A2-J15 and connect A3-J3 in its place.

19

QTY	ITEM	PART No	DESCRIPTION	MATERIAL	FINISH

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APPROVED BY

DRAWN BY

DESIGNED BY

SCALE

TITLE

DRAWING No 33W32501

18

DEP

ANRITSU CORP.

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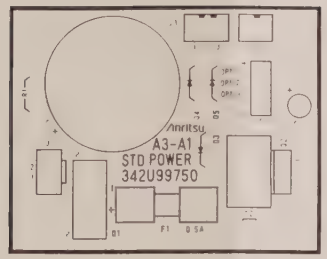

Fig. 3-33 A3-A1 STD POWER (Options 01 to 03) PC-Board Parts Layout 19

33W32502

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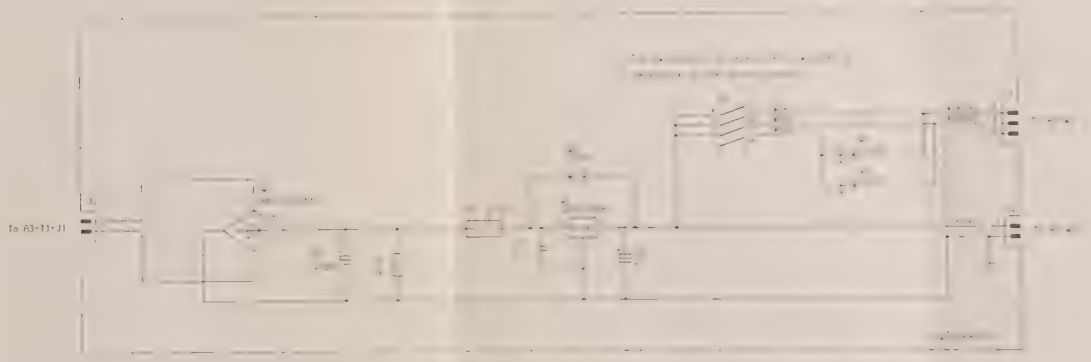

QTY	ITEM	PART No.	DESCRIPTION	MATERIAL	FINISH

19

CHECKED BY

APPROVED BY M. Hashizume

DRAWN BY ALICE

DESIGNED BY I.Kanase

SCALE :

TITLE

DRAWING No 33W32502

ANRITSU CORP.

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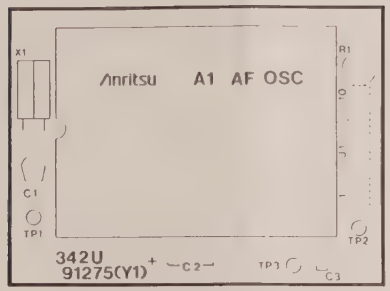

Fig. 3-34 A2-A12-A1 AF OSC (Option 04) PC-Board Parts Layout 20

33W28823 1/1

APPLICATION

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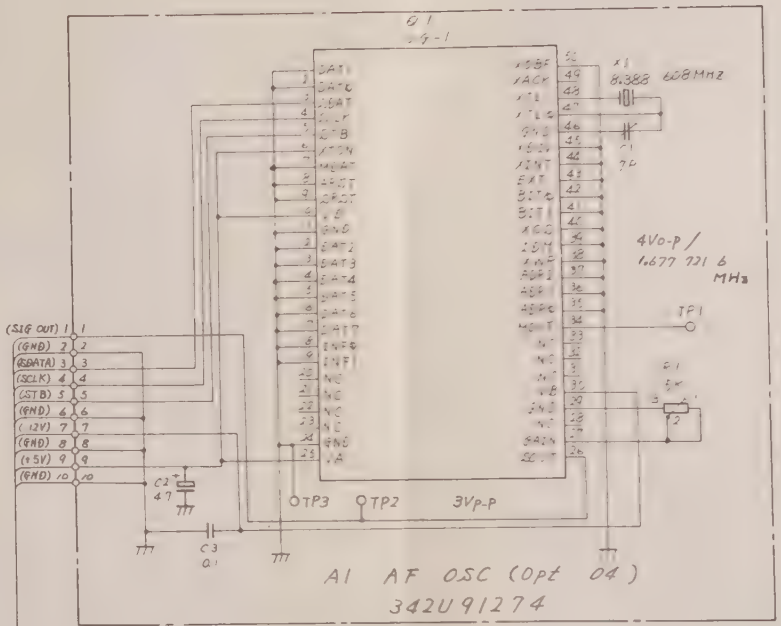

Parts List 34W91051

QTY	ITEM	PART No.	DESCRIPTION	MATERIAL	FINISH

CHECKED BY M. HASHIZU | TRACED BY | SCALE :

APPROVED BY M. Wakakuwa | DRAWN BY K. ISHIZUKA

TITLE A2 - A12 - A1 AF OSC Circuit Diagram (Opt. 04)

DRAWING No. 33W28823 1/1

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ANRITSU CORP.

3 - 97

3.8 Special Functions for Maintenance

The special functions shown in the following table are provided for maintaining the MG3631A/MG3632A. The setting is executed in the same way as the other general special functions.

Table 3-5 List of Special Functions for Maintenance

Contents of special function	Code
LED check	201
ROM version display	231
P-ATT No. of switchings display (25 dB-A)	241
P-ATT No. of switchings display (25 dB-B)	242
P-ATT No. of switchings display (25 dB-C)	243
P-ATT No. of switchings display (25 dB-D)	244
P-ATT No. of switchings display (20 dB)	245
P-ATT No. of switchings display (10 dB)	246
P-ATT No. of switchings display (5 dB)	247
RPP No. of operations display	251
* P-ATT Automatic switching	261
P-ATT ALL OFF	262
P-ATT 25 dB-A ON	263
P-ATT 25 dB-B ON	264
P-ATT 25 dB-C ON	265
P-ATT 25 dB-D ON	266
P-ATT 20 dB ON	267
P-ATT 10 dB ON	268
P-ATT 5 dB ON	269
* Output level calibration: ON	271
Output level calibration: OFF	272
P-ATT Reset of the No. of switchings count	301
RPP Reset of the No. of operations count	302

Used only for service personnel

*: Special function set by initial setting

Note: RPP = Reverse Power Protector

(1) LED check (SPECIAL 201)

All the LEDs on the panel excluding the STBY LED are lit for about 3 seconds by SPECIAL 201. The status before executing the LED check is recovered after the LEDs have lit.

Press [SHIFT] [0] [2] [0] [1]

(2) ROM version display (SPECIAL 231)

The ROM version used in the MG3631A/MG3632A is displayed on the FREQUENCY display by SPECIAL 231.

Press [SHIFT] [0] [2] [3] [1]

↑
Keep pressed

(3) Display of number of P-ATT switchings (SPECIAL 241 to 247)

Displays the number of P-ATT switchings for every attenuator elements (25 dB A/B/C/D, 20 dB, 10 dB, and 5 dB) by SPECIAL 241 to 247.

- 25-dB step ATT-A: [SHIFT] [0] [2] [4] [1]

↑
Keep pressed — Displays the number of P-ATT switchings in the range of 0 to 99,999,999 times.

- 25-dB step ATT-B: [SHIFT] [0] [2] [4] [2]

↑
Keep pressed — Displays the number of P-ATT switchings in the range of 0 to 99,999,999 times.

- 25-dB step ATT-C: [SHIFT] [0] [2] [4] [3]

↑
Keep pressed — Displays the number of P-ATT switchings in the range of 0 to 99,999,999 times.

- 25-dB step ATT-D: [SHIFT] [0] [2] [4] [4]

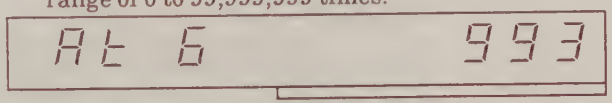
↑
Keep pressed — Displays the number of P-ATT switchings in the range of 0 to 99,999,999 times.

- 20-dB step ATT-: [SHIFT] [0] [2] [4] [5]

↑ Keep pressed

Displays the number of P-ATT switchings in the range of 0 to 99,999,999 times.

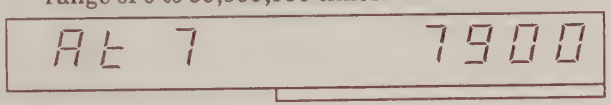
- 10-dB step ATT: [SHIFT] [0] [2] [4] [6]



↑ Keep pressed

Displays the number of P-ATT switchings in the range of 0 to 99,999,999 times.

- 5-dB step ATT: [SHIFT] [0] [2] [4] [7]



↑ Keep pressed

Displays the number of P-ATT switchings in the range of 0 to 99,999,999 times.

(4) Display of number of RPP operations (SPECIAL 251)

The number of times in which the RPP (Reverse Power Protector) circuit operates is displayed by SPECIAL 251.

- [SHIFT] [0] [2] [5] [1]

↑ Keep pressed

Displays the number of times in which RPP operates in the range of 0 to 9,999 times.

(5) Setting P-ATT element individually (SPECIAL 261 to 269)

Each P-ATT attenuator element is set individually by SPECIAL 261 to 269.

- P-ATT automatic switching: [SPECIAL] [2] [6] [1]
- P-ATT All attenuators thru: [SPECIAL] [2] [6] [2]
- P-ATT 25-dB A Step attenuator ON: [SPECIAL] [2] [6] [3]
- P-ATT 25-dB B Step attenuator ON: [SPECIAL] [2] [6] [4]
- P-ATT 25-dB C Step attenuator ON: [SPECIAL] [2] [6] [5]
- P-ATT 25-dB D Step attenuator ON: [SPECIAL] [2] [6] [6]
- P-ATT 20-dB Step attenuator ON [SPECIAL] [2] [6] [7]
- P-ATT 10-dB Step attenuator ON: [SPECIAL] [2] [6] [8]
- P-ATT 5-dB Step attenuator ON: [SPECIAL] [2] [6] [9]

(6) Calibrating output level: ON/OFF (SPECIAL 271/272)

The output level calibration is set ON/OFF by SPECIAL 271/272.

- Output level calibration ON: [SHIFT] [0] [2] [7] [1]
- Output level calibration OFF: [SHIFT] [0] [2] [7] [2]

(7) Resetting P-ATT number of switchings count (SPECIAL 301)

The number of P-ATT switchings count is returned to zero by SPECIAL 301.

The following message is displayed when the [SHIFT] [0] [3] [0] [1] keys are pressed.

Key operation

[SHIFT] [0] [3] [0] [1]

FREQUENCY display

When this message is displayed, the number of P-ATT switchings count is returned to 0 when [3] [0] [1] is pressed again.

If keys other than [3] [0] [1] are pressed, the count is not reset and the previous status is recovered.

(8) Resetting of RPP operations count (SPECIAL 302)

The number of RPP operations count is returned to zero by SPECIAL 302.

The following message is displayed when the [SHIFT] [0] [3] [0] [2] keys are pressed.

Key operation

[SHIFT] [0] [3] [0] [2]

FREQUENCY display

When this message is displayed, the number of RPP operations count is returned to 0 when [3] [0] [2] is pressed again.

If keys other than [3] [0] [2] are pressed, the count is not reset and the previous status is recovered.

SECTION 4
ADJUSTMENT

4.1 Introduction

This section explains overall adjustment after troubleshooting is completed.

Perform overall adjustment in accordance with adjustment flowchart. First, prepare the equipment required for adjustment, as described in paragraph 4.2.

Except as indicated, adjustments should be made after connector is disconnected and reconnected in the proper position.

4.2 Measuring Equipment Required for Adjustment

Table 4-1 lists the equipment required for overall adjustment.

Table 4-1 Measuring Equipment Required for Adjustment

Equiment (Anritsu)	Major Performance
Frequency counter (MF1603A)	10 Hz to 2.08 GHz
Spectrum analyzer (MS612A)	100 kHz to 2.08 GHz
DC voltmeter	−15 to +24 V
Oscilloscope	Up to 200 MHz
Power meter (ML4803A, MA4601A)	100 kHz to 2.08 GHz −20 to +20 dBm
Modulation analyzer (MS616B)	100 Khz to 2.08 GHz AM 90%, FM 200 kHz
AF oscillator	10 Hz to 100 kHz 2 Vp-p/600 Ω
10 dB PAD (MP721C)	DC to 2.08 GHz
Personal Computer (PACKET V)	
Frequency-Response Compensation Software	

4.3 Adjustment

4.3.1 Outline

Adjustment is performed in accordance with the sequence shown in Fig. 4-1.

If this sequence is not followed; previously adjusted items will be affected, therefore resulting in misadjustment.

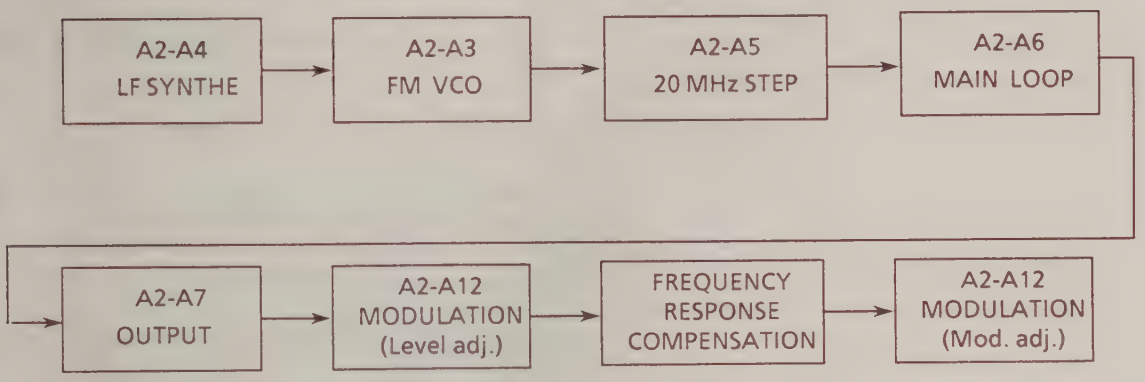


Fig. 4-1 Adjustment Sequence

4.3.2 A2-A4 LF SYNTHE 9

(1) Adjustment

Item	Location	Step	Procedure
64 to 80 MHz VCO		1	Set the frequency to 520.00999 MHz.
	L6	2	Adjust L6 so that the E1 voltage becomes +1.0 V.
		3	Confirm that the frequency at Q11-13 pin is 79.984 MHz.
		4	Set the frequency to 520.000 00 MHz.
		5	Confirm that the E1 voltage is −4.5 V and the frequency at Q11-13 pin is 64.000 MHz.
40 to 60 MHz VCO		6	Set the frequency to 524.999 MHz.
	L17	7	Adjust L17 so that the E2 voltage becomes +4.0 V.
		8	Confirm that the frequency at Q42-4 pin is 59.996 MHz.
		9	Set the frequency to 520.000 MHz.
		10	Confirm that the E2 voltage is −4.3 V and the frequency at Q42-4 pin is 40.000 MHz.
		11	Set the frequency to 530.000 MHz.
60 to 80 MHz VCO	L19	12	Adjust L19 so that the E2 voltage becomes +6.0 V.
		13	Confirm that the frequency at Q42-4 pin is 80.000 MHz.
		14	Set the frequency to 525.000 MHz.
		15	Confirm that the E2 voltage is −1.2 V and the frequency at Q42-4 pin is 60.000 MHz.

(2) Adjustment location

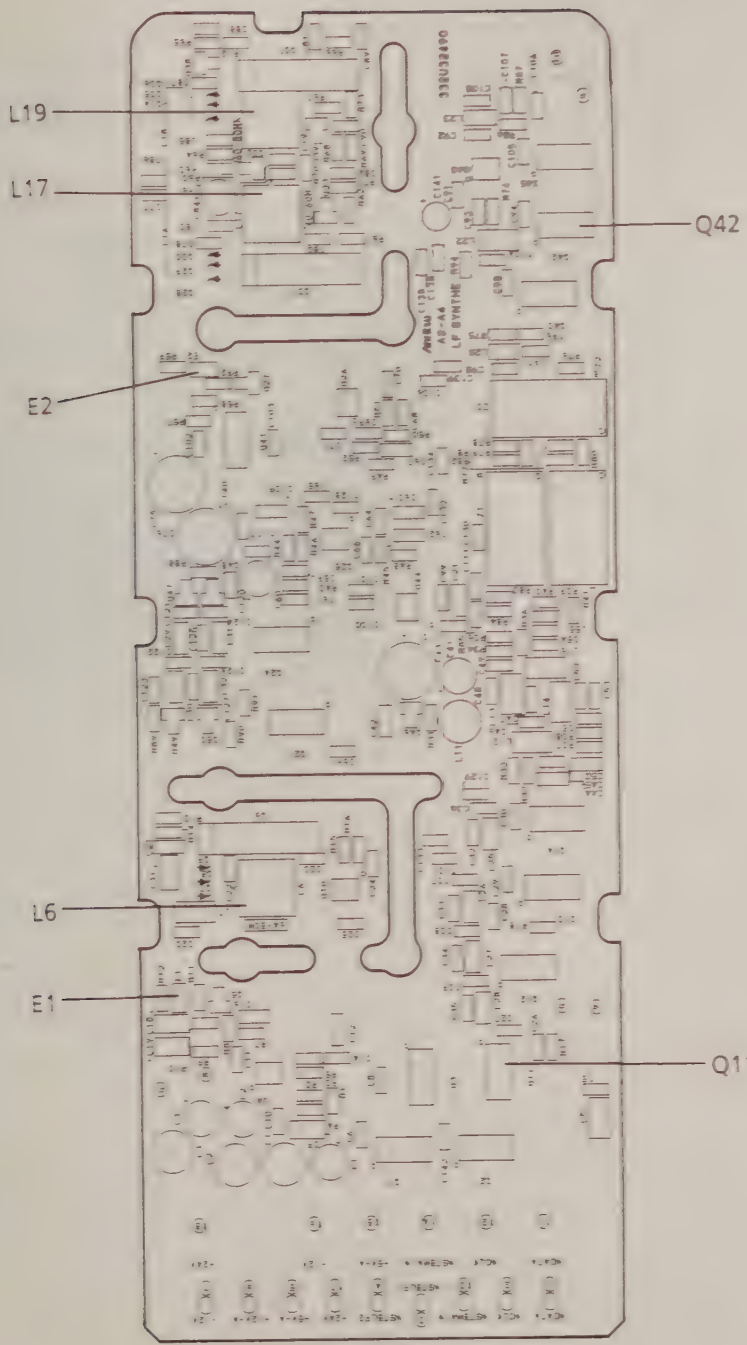


Fig. 4-2 A2-A4 LF SYNTHE Adjustment Location

4.3.3 A2-A3 FM VCO 8

(1) Adjustment

Item	Location	Step	Procedure
FM VCO	R36	1	Set R36 adjuster to the center position.
		2	Set as follows: Frequency → 1040 MHz FM deviation → 0 kHz SOURCE → EXT COUPLE → DC
	R37	3	Adjust R37 so that the E1 voltage becomes −8.70 V.
		4	Tighten the FM VCO shield cover.
	L5	5	Adjust L5 so that the RF OUTPUT frequency difference is within ±1 kHz while switching the COUPLE to AC and DC.

(2) Adjustment location

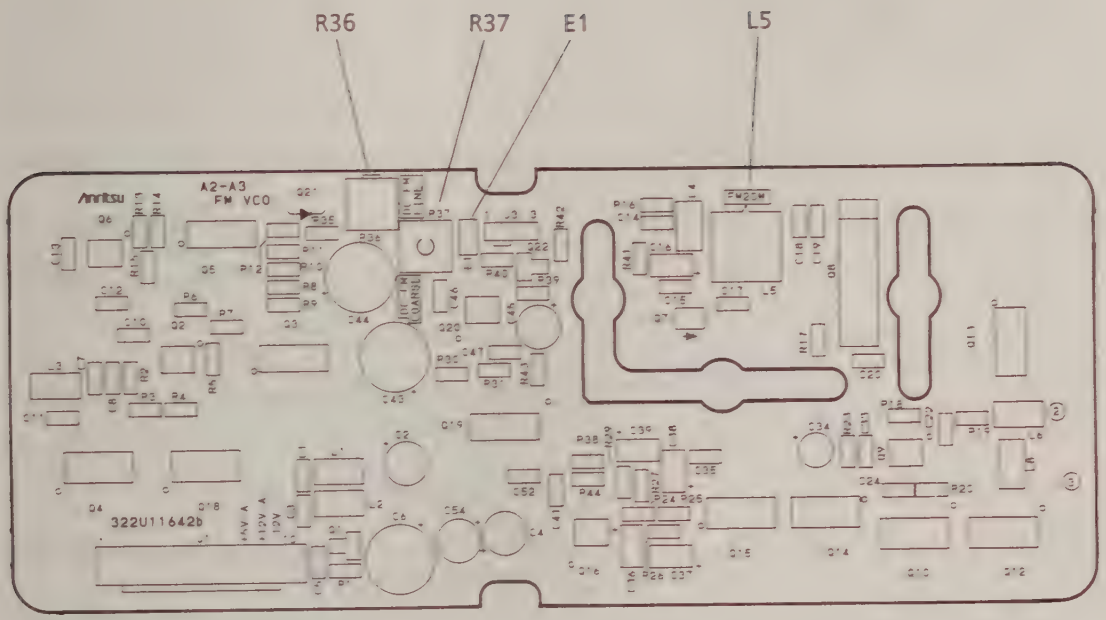


Fig. 4-3 A2-A3 FM VCO Adjustment Location

4.3.4 A2-A5 20 MHz STEP 10

(1) Adjustment

Item	Location	Step	Procedure
120 MHz BPF	Z7	1	Adjust Z7 so that the E2 level becomes maximum.
	Z11	2	Adjust Z11 so that the E3 level becomes maximum.
	Z16	3	Adjust Z16 so that the E4 level becomes maximum.
110 MHz BPF	Z32	4	Adjust Z32 so that the E5 level becomes maximum.
	Z37	5	Adjust Z37 so that the E6 level becomes maximum.
720 MHz BPF		6	Set the frequency to 520 MHz.
	Z22	7	Adjust Z22 so that the level at the C154 input side becomes maximum.
840 MHz BPF		8	Set the frequency to 1040 MHz.
	Z21	9	Adjust Z21 so that the level at the C154 input side becomes maximum.

(2) Adjustment location

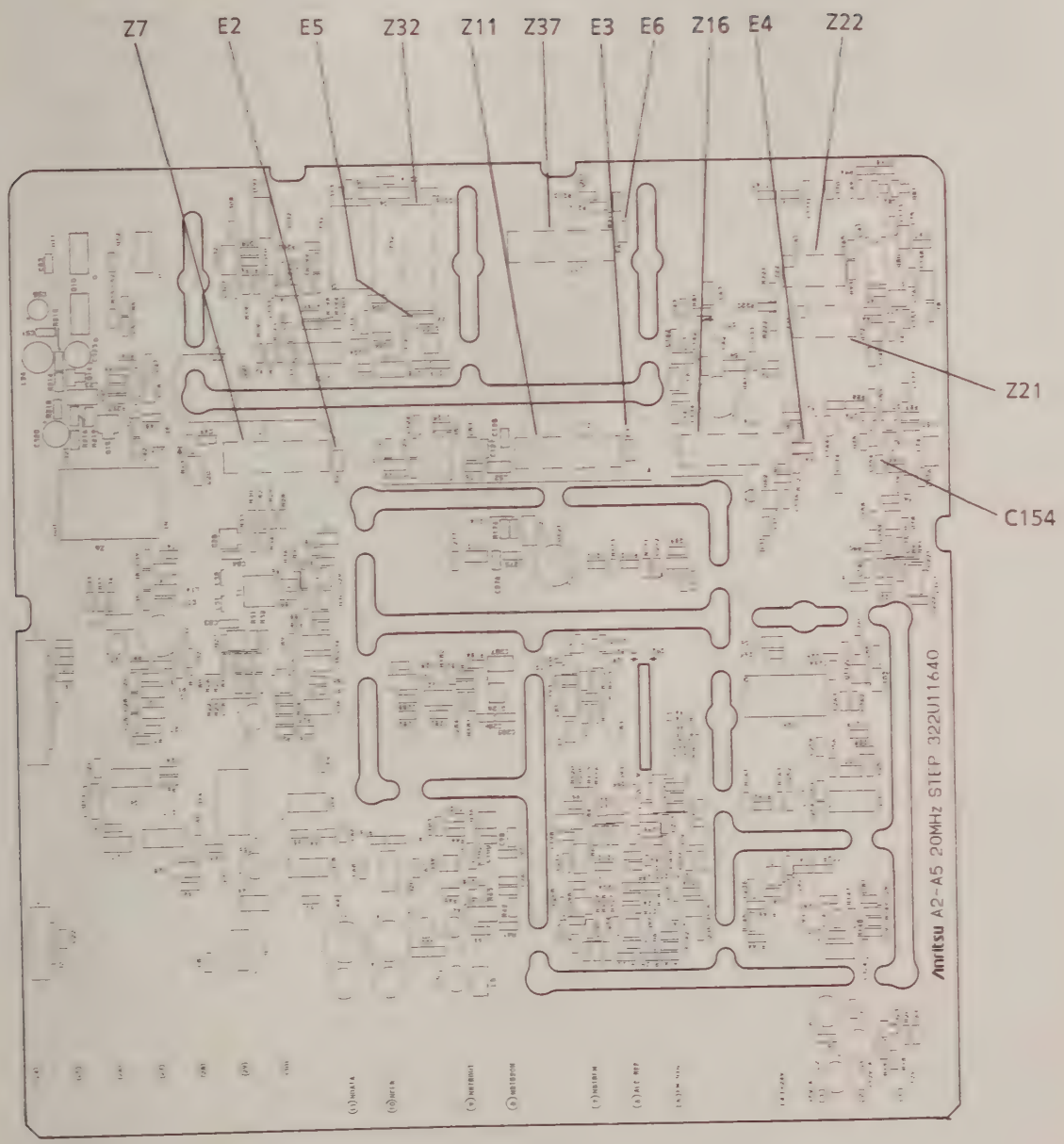


Fig. 4-4 A2-A5 20 MHz STEP Adjustment Location

4.3.5 A2-A6 MAIN LOOP 11

(1) Adjustment

Item	Location	Procedure
110 MHz BPF	Z4	Adjust Z4 so that the E2 level becomes maximum.

(2) Adjustment location

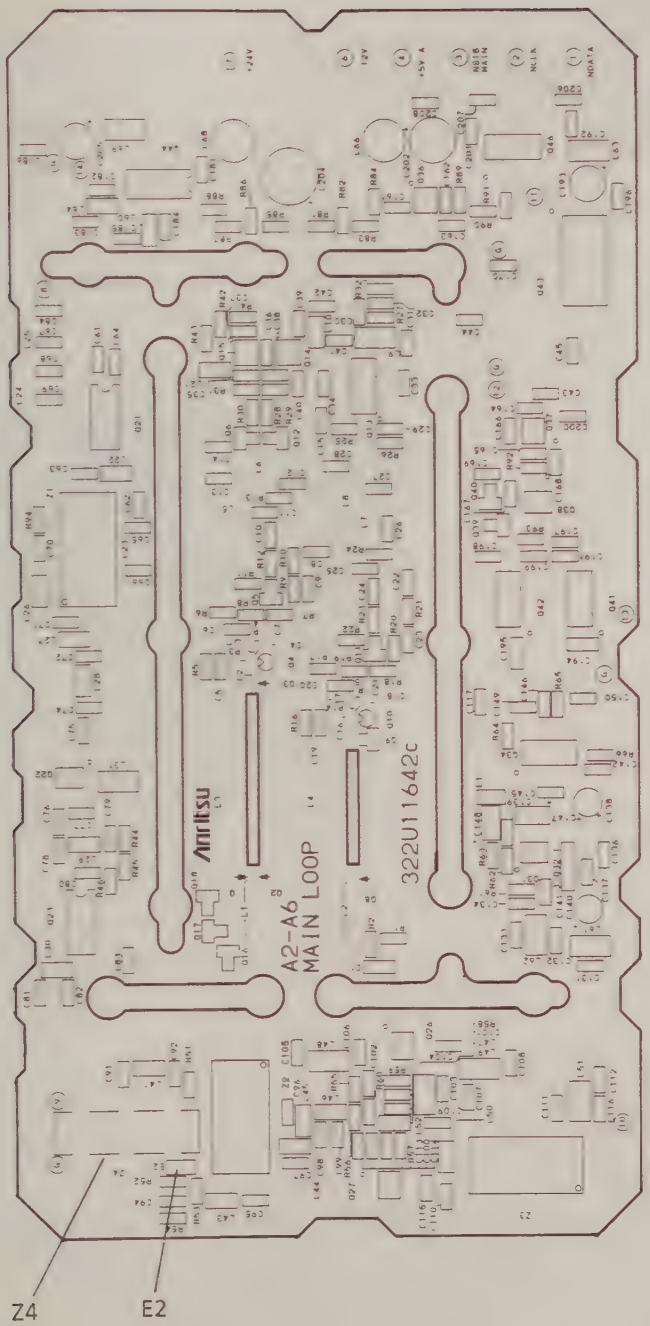


Fig. 4-5 A2-A6 MAIN LOOP Adjustment Location

4.3.6 A2-A7 OUTPUT 12

(1) Adjustment

Item	Location	Step	Procedure
720 MHz BPF		1	Set the frequency to 10 MHz.
	Z2	2	Adjust Z2 so that the level at the cathode side of Q53 becomes maximum.
	Z3	3	Adjust Z3 so that the level at the C70 input side becomes maximum.
Detector offset		4	Set the frequency to 0 Hz.
	R263	5	Adjust R263 so that the J2 voltage becomes 0.000 V.

(2) Adjustment location

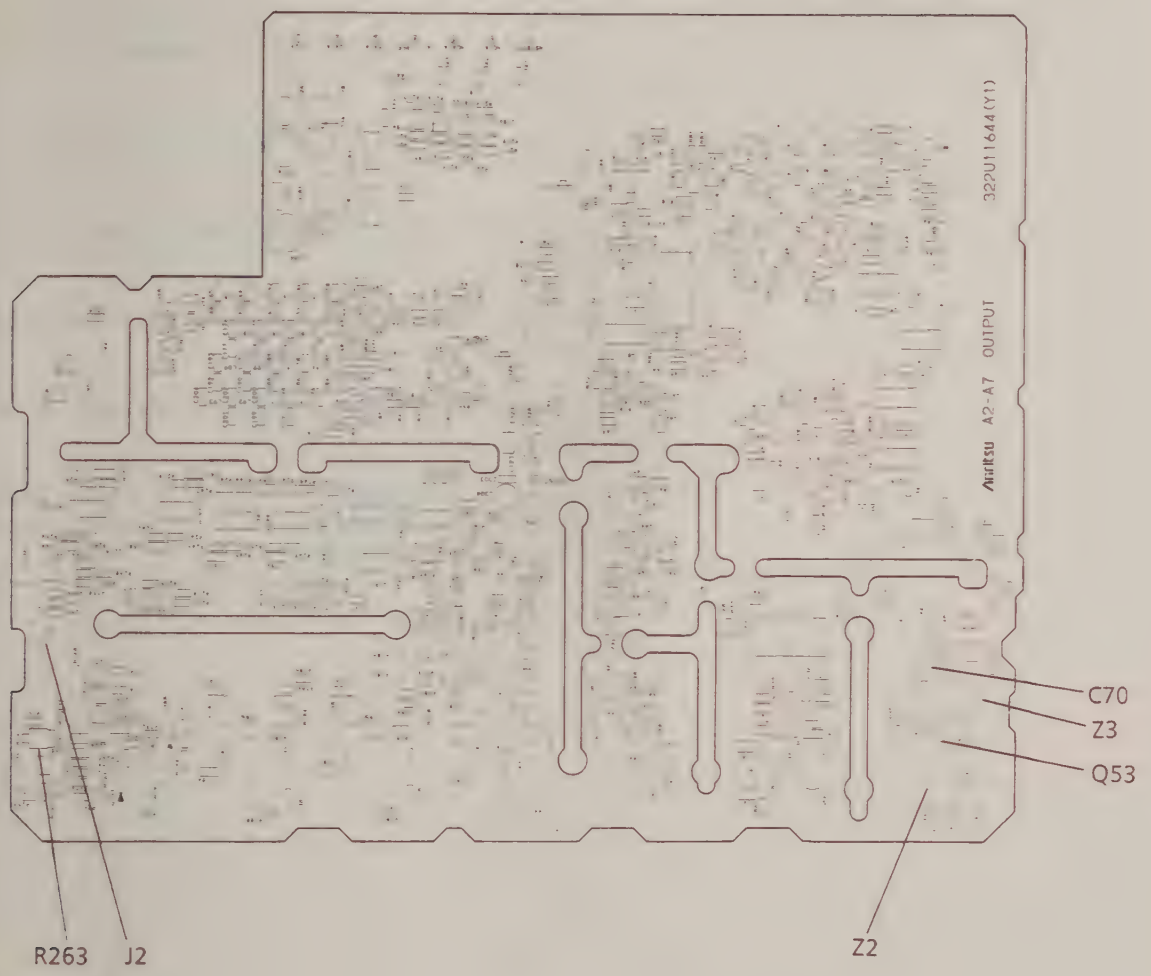


Fig. 4-6 A2-A7 OUTPUT Adjustment Location

4.3.7 A2-A12 MODULATION 14 (Level adj.)

(1) Adjustment

Item	Location	Step	Procedure
Output level		1	Set the frequency to 100 MHz, the output level to +13 dBm, and the output level continuous variable mode to CONTINUOUS ON.
		2	Set the output level calibration to OFF by pressing [SHIFT] [0] [2] [7] [2].
	R98	3	Adjust R98 so that the output level becomes +13.00 dBm.
		4	Set the output level to −13 dBm with the rotary knob.
	R96	5	Adjust R96 so that the output level becomes −13.00 dBm.
		6	Repeat the adjustments in steps 3 to 5 above until both +13 dBm at step 3 and −13 dBm at step 5 are obtained simultaneously.

(2) Adjustment location

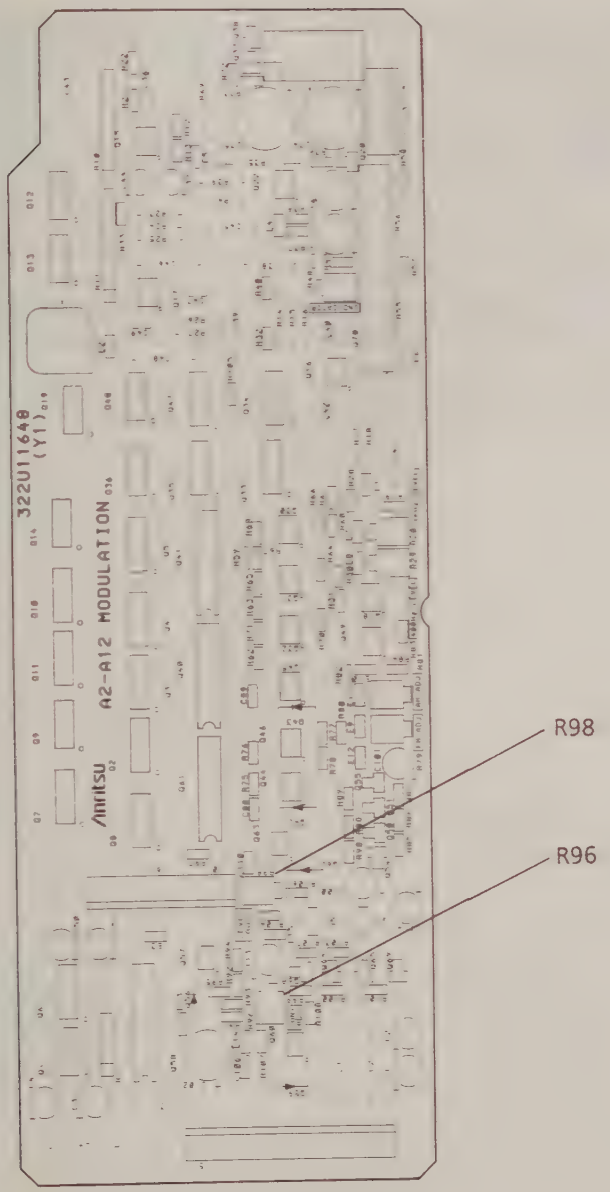


Fig. 4-7 A2-A12 MODULATION Adjustment Location (for Level Adj.)

4.3.8 Frequency-response compensation

(1) Adjustment

Step	Procedure
1	Set up the MG3631A/MG3632A, ML4803A, MA4601A and PACKET V as shown in Fig. 4-8.
2	Set the MG3631A/MG3632A output level calibration to ON by pressing [SHIFT] [0] [2] [7] [1].
3	Load and execute the frequency-response compensation program at the PACKET V.
4	Input the sensor calibration factor according to the screen instructions, calibrate the sensor, and calibrate the MG3631A/MG3632A frequency response (automatical calibration).

Note: The steps 3 and 4 are performed by Anritsu service personnels.

(2) Setup

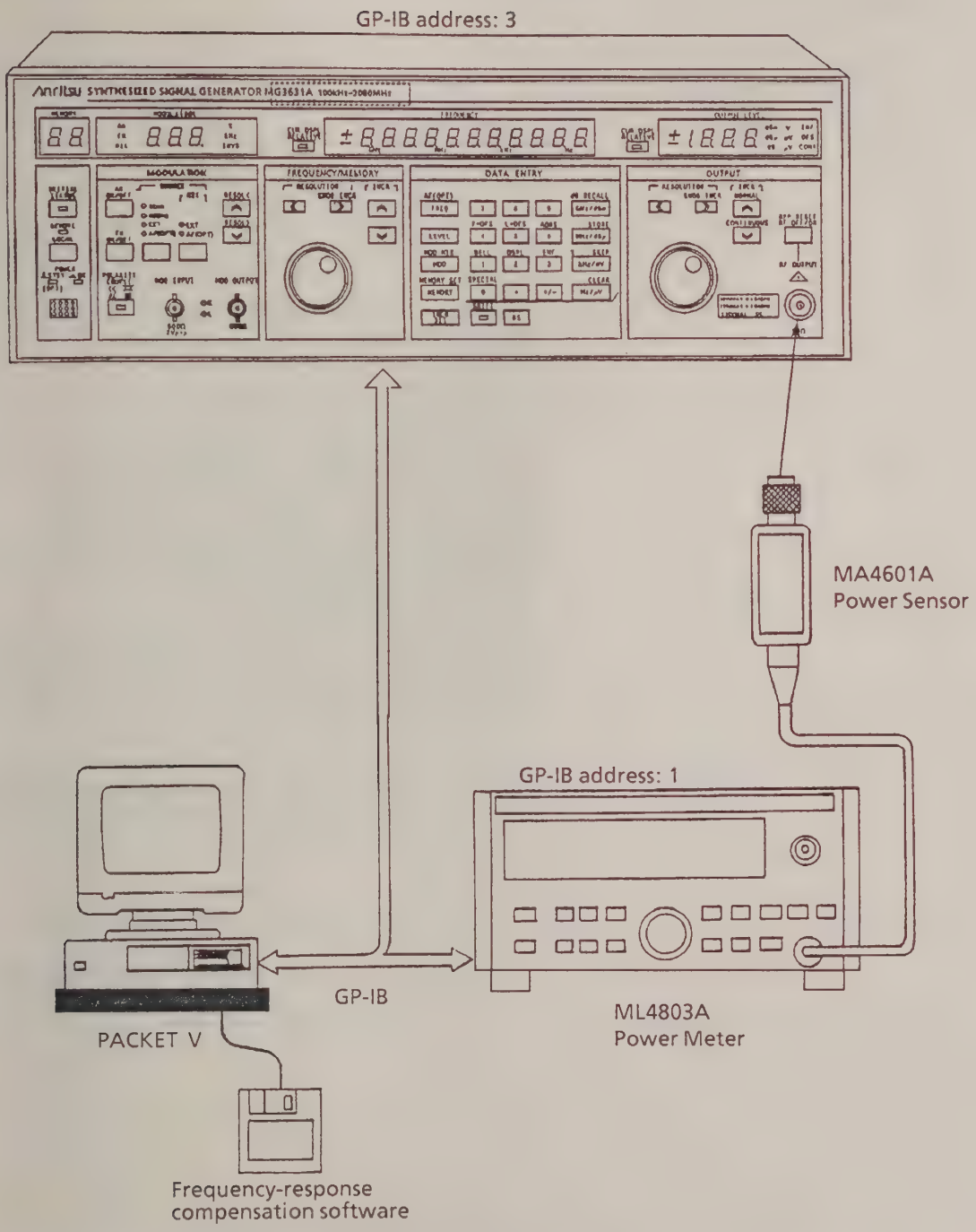


Fig. 4-8 Setup for MG3631A/MG3632A Frequency-Response Compensation

4.3.9 A2-A12 MODULATION 14 (Mod. adj.)

(1) Adjustment

Item	Location	Step	Procedure
EXT level indicator		1	Set as follows: Frequency → 520 MHz Output level → +7 dBm FM deviation → 200 kHz SOURCE → EXT COUPLE → AC
		2	Input a 1 kHz, 2 Vp-p/600 Ω signal to the panel MOD INPUT connector.
	R48	3	Adjust R48 so that the panel H and L lamps are turned off.
FM deviation	R79	4	Adjust R79 so that the FM deviation becomes 200 kHz (at 0.3 to 3 kHz demodulation bandwidth).
	R20	5	Set SOURCE to 1 kHz and adjust R20 so that the FM deviation becomes 200 kHz (at 0.3 to 3 kHz demodulation bandwidth).
	R29	6	Set SOURCE to 400 Hz and adjust R29 so that the FM deviation becomes 200 kHz (at 0.05 to 3 kHz demodulation bandwidth).
	OPT 04 A2-A12-A1-R1	7	Set SOURCE to AF and the AF frequency to 1 kHz. Adjust A2-A12-A1-R1 of the AF oscillator so that the FM deviation becomes 200 kHz (at 0.3 to 3 kHz demodulation bandwidth). (Only when OPT 04 installed.)
AM depth		8	Set the AM depth to 90% and SOURCE to 1 kHz.
	R81	9	Adjust R81 so that the AM depth becomes 90% (at 0.3 to 3 kHz demodulation bandwidth).

(2) Adjustment location

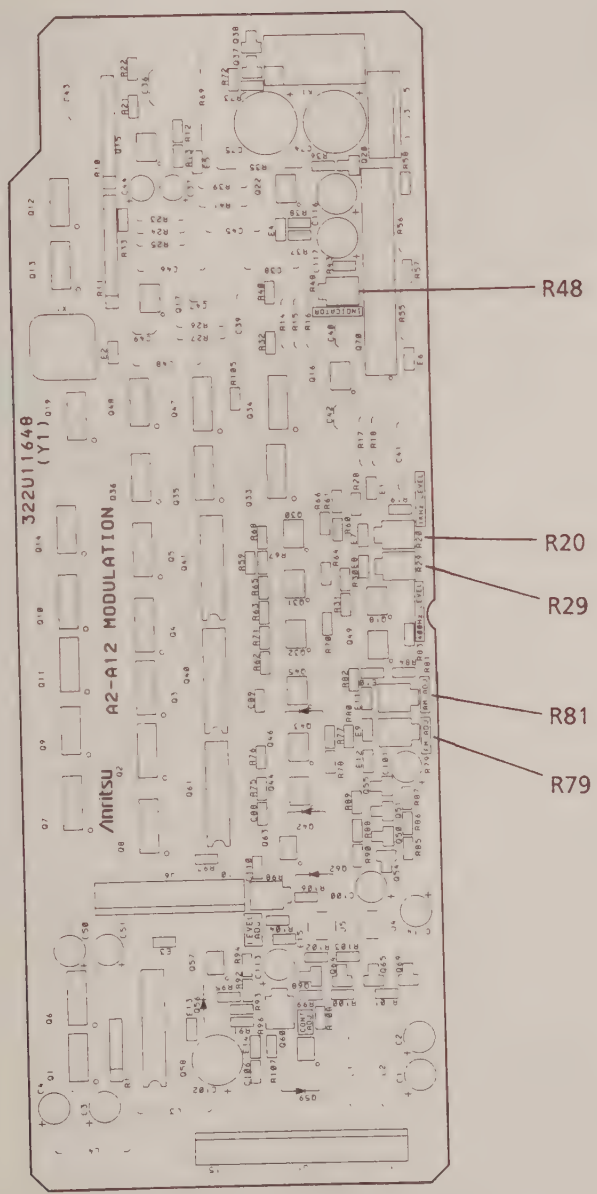


Fig. 4-9 A2-A12 MODULATION Adjustment Location (for Mod. Adj.)

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SECTION 5
MECHANICAL CONFIGURATION

Table 5-1 lists the mechanical parts corresponding to Figs. 5-1 to 5-4, which show the disassembly and layout of the MG3631A/MG3632A.

Table 5-1 MG3631A/MG3632A Mechanical Parts List

(See Fig. 5-1.)

No.	Parts No.	Description	Remarks	Qty.
1	322B11756	Cover		1
2	34Y100008A	Unit, Option	Option 01	1
3	34Y100008B	Unit, Option	Option 02	1
4	34Y100008C	Unit, Option	Option 03	1
5	32B7674F	Handle, Front	3U	2
6	34B73660G	Tape, Trim	3U	2
7	349B73661K	Handle, Side	450D	2
8	343H99895	Foot, Stand		4
9	34B73672B	Protector		4
80	4BPS8S3+WB	Screw		2
81	4BPS8S3+WB	Screw		2
82	3BPS8S3+WB	Screw		2
83	3BPS8S3	Screw		4
84	4NPS14S7+SW+WBS	Screw		8
85	5FPS16S7	Screw		2
86	5FPS10S7	Screw		2
87	3NPS10B3+SW	Screw		4
88	3HRPS6S3	Screw		2
89	3FPS8B3	Screw		4
90	3NPS8B3+SW+WB	Screw		4
91	5FPS12S7	Screw		4

Table 5-1 MG3631A/MG3632A Mechanical Parts List (Cont'd)

(See Fig. 5-2.)

No.	Parts No.	Description	Remarks	Qty.
(11)	332B32650	Cover		1
(12)	33B32651	Cover		1
(13)	33B32653	Cover		1
(14)	33B32654	Cover		1
(15)	33B32652	Cover		1
(16)	34B99905A	Spring		1
(17)	34B99905B	Spring		1
(18)				
(19)				
(20)				
A2-A2	34Y99323	A2-A2 REFERENCE PC board		1
A2-A3	34Y99324	A2-A3 FM VCO PC board		1
A2-A4	34Y99325	A2-A4 LF SYNTHE PC board		1
A2-A5	34Y99326	A2-A5 20 MHz STEP PC board		1
A2-A13	34Y99333	A2-A13 POWER SUPPLY PC board		1
(100)	3NPS6B3+SW	Screw		12
(101)	3FPS6B3	Screw		2
(102)	2.6NPS4B3+SW	Screw		8
(103)	2.6NPS4B3+SW	Screw		32
(104)	2.6NPS4B3+SW	Screw		18
(105)	2NPS4B3+SW	Screw		8

Tale 5-1 MG3631A/MG3632A Mechanical Parts List (Cont'd)

(See Fig. 5-3.)

No.	Parts No.	Description	Remarks	Qty.
(21)	33B32646	Cover		1
(22)	33B32648	Cover		1
(23)	332B32645	Cover		1
(24)	33B32637	Cover		1
(25)	33B32638	Cover		1
(26)	342B99900	Cover, Fan		1
(27)	339H32538	ATT		1
(28)				
(29)				
(30)				
A2-A1	34Y99322	A2-A1 BUFFER PC board		1
A2-A6	34Y99327	A2-A6 MAIN LOOP PC board		1
A2-A7	34Y99328	A2-A7 OUTPUT PC board		1
A2-A10	34Y99330	A2-A10 ATT DRIVE PC board		1
A2-A12	34Y99332	A2-A12 MODULATION PC board		1
A2-A14	34Y99614	A2-A14 CPU PC board		1
A2-A15	34Y99615	A2-A15 INTERFACE PC board		1
(110)	3NPS6B3+SW	Screw		22
(111)	3FPS6B3	Screw		7
(112)	2.6NPS6B3+SW	Screw		6
(113)	2.6NPS6B3+SW	Screw		9
(114)	2.6FPS6B3+SW	Screw		3
(115)	2.6NPS4B3+SW	Screw		24
(116)	2.6NPS4B3+SW	Screw		30

Table 5-1 MG3631A/MG3632A Mechanical Parts List (Cont'd)

(See Fig. 5-4.)

No.	Parts No.	Description	Remarks	Qty.
(31)	322B11752A/B	Panel, front	A: MG3631A B: MG3632A	1
(32)	322B11738	Panel, sub		1
(33)	342E99860	Display panel		1
(34)	332E32968	Display panel		1
(35)	W42E7179	Knob		2
(36)	34B78330B	Panel clamp		3
(37)	34B78330C	Panel clamp		3
(38)	34H39505A	Supporter		12
(39)	34H39511A	Supporter		12
(40)	342E93472	Button		1
(41)	342E91905	Button		3
(42)	34E91902	Button		6
(43)	342E91903A	Button		1
(44)	342E91903D	Button		1
(45)	342E99853	Button	0	1
(46)	342E99853	Button	1	1
(47)	342E99853	Button	2	1
(48)	342E99853	Button	3	1
(49)	342E99853	Button	4	1
(50)	342E99853	Button	5	1
(51)	342E99853	Button	6	1
(52)	342E99853	Button	7	1
(53)	342E99853	Button	8	1
(54)	342E99853	Button	9	1
(55)	342E99853	Button	.	1
(56)	342E99853	Button	+/–	1

Table 5-1 MG3631A/MG3632A Mechanical Parts List (Cont'd)

(See Fig. 5-4 .)

No.	Parts No.	Description	Remarks	Qty.
(57)	342E99853	Button	BS	1
(58)	342E99853	Button	⩓	3
(59)	342E99853	Button	⩔	3
(60)	342E99854	Button	MEMORY	1
(61)	342E99854	Button	MOD	1
(62)	342E99854	Button	LEVEL	1
(63)	342E99854	Button	FREQ	1
(64)	342E99854	Button	GHz/dBm	1
(65)	342E99854	Button	MHz/dBμ	1
(66)	342E99854	Button	kHz/mV	1
(67)	342E99854	Button	Hz/μV	1
(68)	342E99855	Button	⩤	2
(69)	342E99855	Button	⩥	2
(70)	342E100017	Button	INCR SET	1
(71)	342B85523B	Color screw		4
A1-A1	34Y99316	A1-A1 PANEL 1 PC board		1
A1-A2	34Y99317	A1-A2 PANEL 2 PC board		1
(72)	442H8983B	Spring		1
(73)	442H8983D	Spring		1
(120)	3FPS10B3	Screw		6
(121)	3NPS6B3+SW+WB	Screw		12

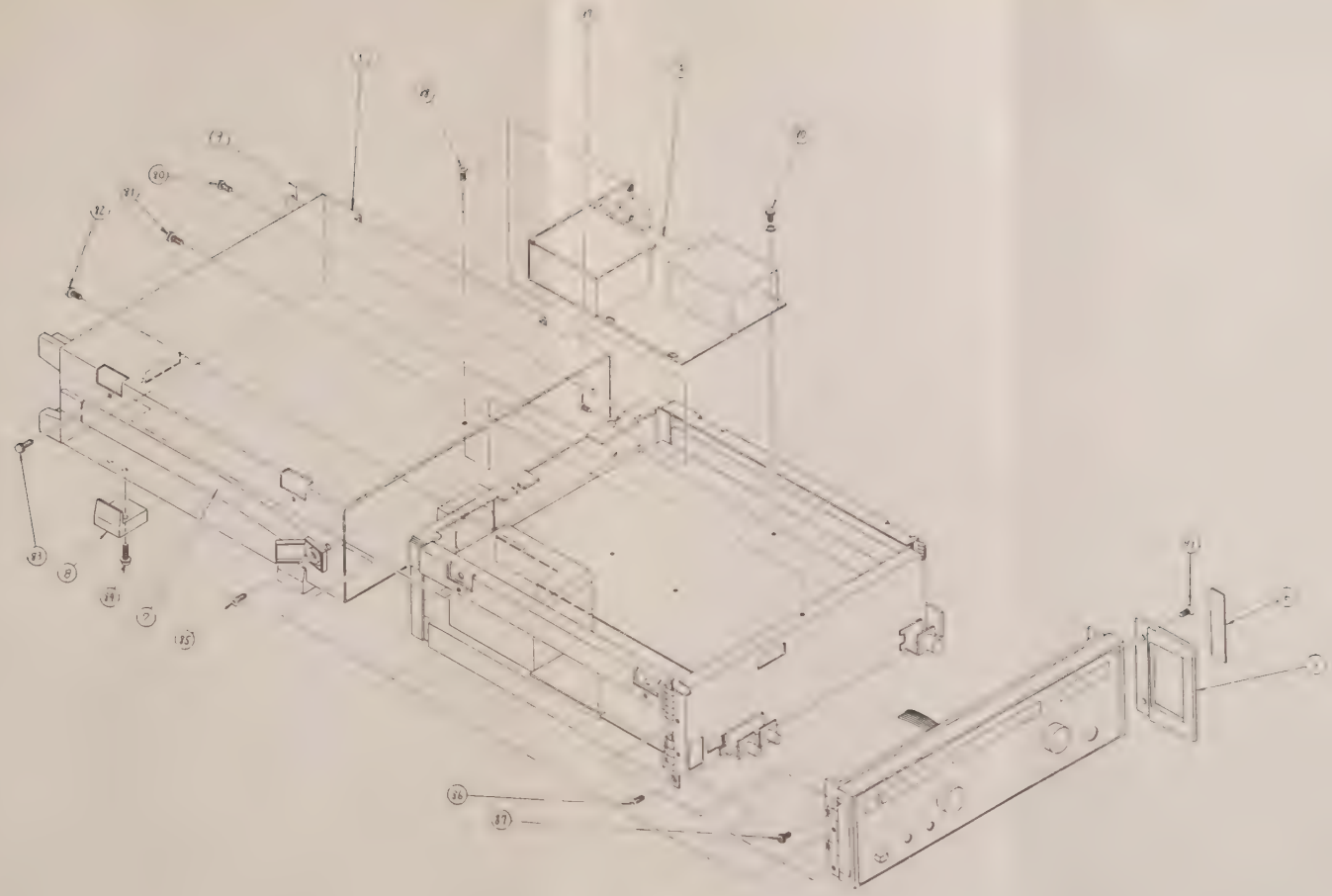


Fig. 5-1 Chassis Assembly

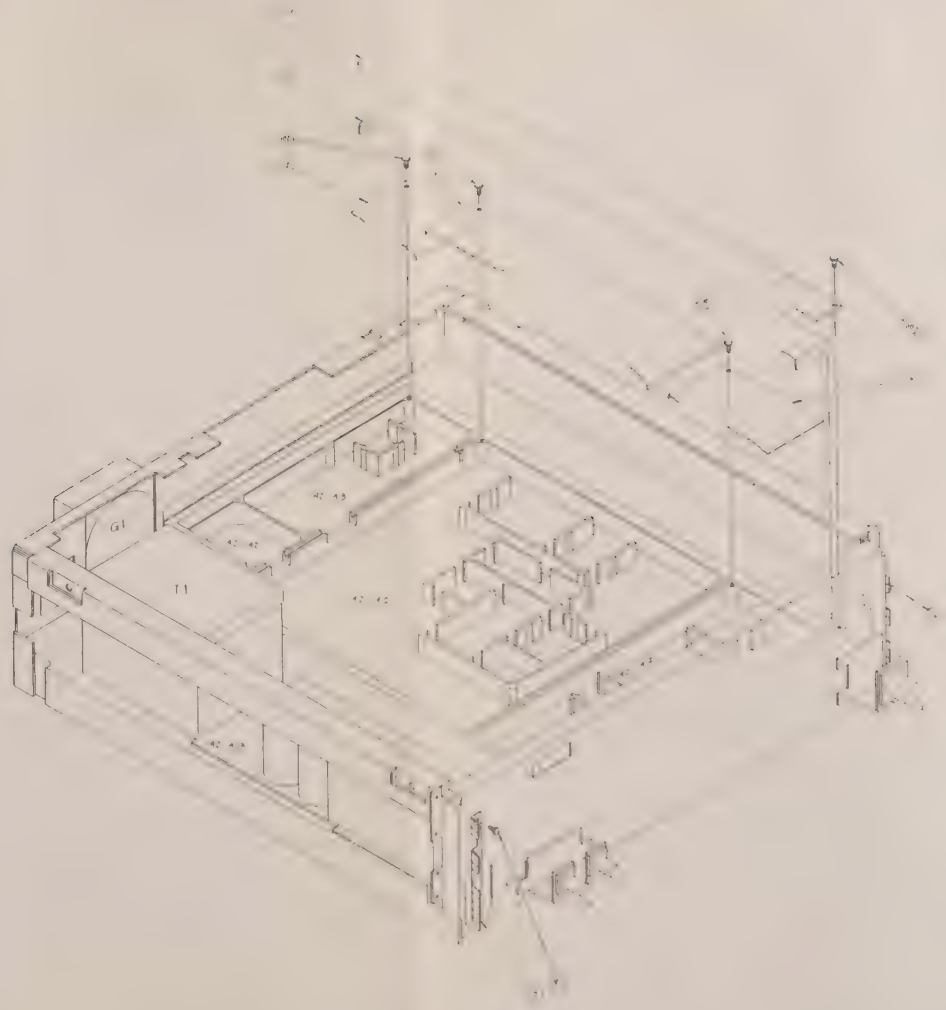


Fig. 5-2 Top-Side Assembly

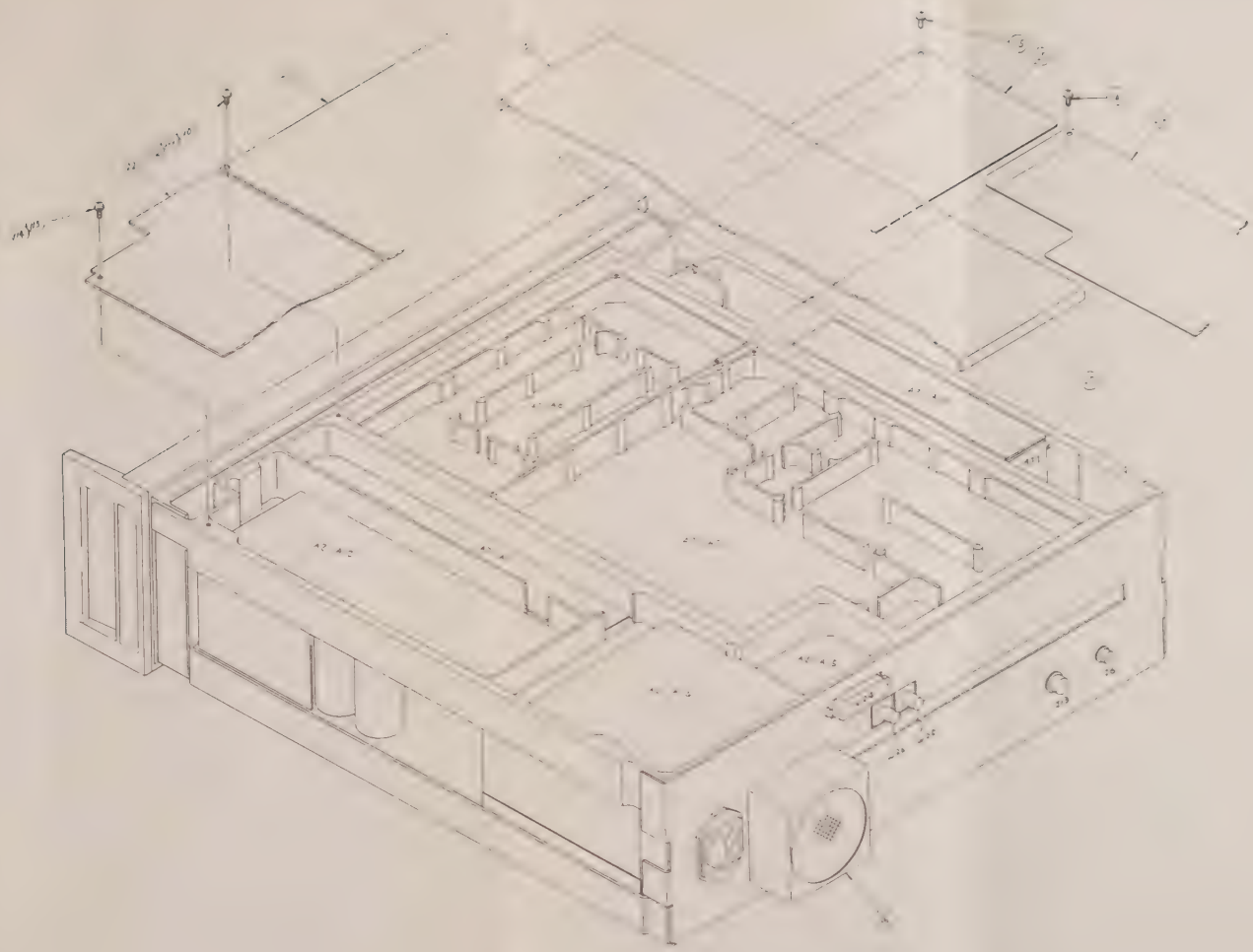


Fig. 5-3 Bottom-Side Assembly

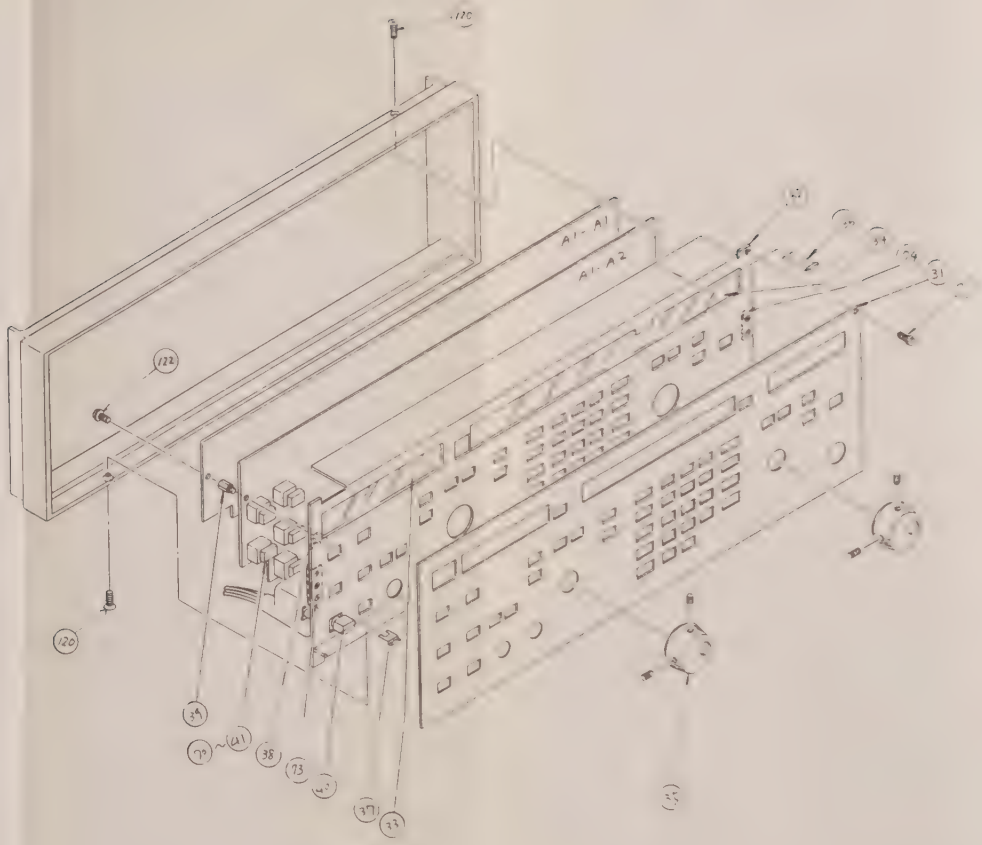


Fig. 5-4 Front-Panel Assembly

SECTION 6
REPLACEABLE PARTS

6.1 Introduction

This section contains information for ordering replaceable parts or components. The following is a list of abbreviations for circuit components (hereinafter referred to by Ref. No.) and abbreviations used for items in the Parts Lists.

(1) Abbreviations for circuit components

A	Assembly	J	Jack, plug, connector	P	Lamp	T	Trasnformer
AT	Attenuator	K	Relay	Q	Transistor, diode, IC, rectifier	V	Neon lamp, vacuum tube
C	Capacitor	L	Coil, microinductor	R	Resistor	X	Crystal OSC
F	Fuse	M	Meter, timer	S	Switch	Z	Unit

(2) Abbreviations

AC	alternating current	LCD	liquid crystal display
A/D	analog-to-digital	LED	light-emitting diode
ADJ	adjuster	LF	low frequency
AL	aluminum	LPF	low-pass filter
BEF	band-elimination filter	LSI	large scale integrated circuit
BIDIR	bidirectional	MDL	module
BPF	band-pass filter	NI-CD	Nickel Cadmium
CAP	capacitor	OPNL	operational
CER	ceramic	OSC	oscillator
CMOS	complementary metal oxide semiconductor	PDIO	photo diode
CONST	constant	PROM	programmable read only memory
D/A	digital-to-analog	PSU	power supply unit
DC	direct current	PUJT	programmable unijunction transistor
DIP	dual in-line package	RAM	random access memory
DIR	directional	REAC	reactance
DRAM	dynamic random access memory	RECT	rectangular
EEPROM	electrically erasable programmable read only memory	RES	resistor
ELECTLT	electrolytic	RF	radio frequency
EPROM	erasable programmable read only memory	SRAM	static random access memory
FET	field-effect transistor	TA	tantalum
F/V	frequency-to-voltage	VAR	variable
GEN	generator	VARICAP	variable capacitor
HPF	high-pass filter	VCO	voltage controlled oscillator
IC	integrated circuit	YIG	Yttrium Iron Garnet
IF	intermediate frequency		

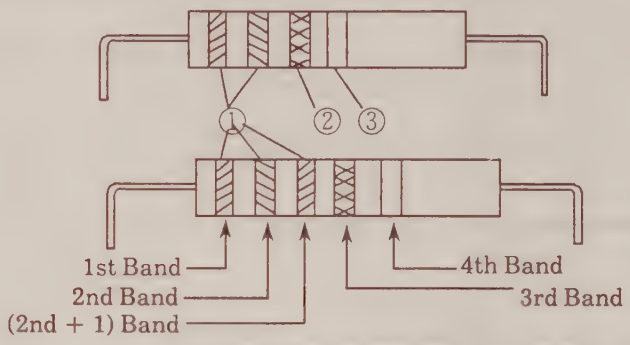
6.2 Order Procedure

When ordering parts, please give the following descriptions by referring to the Parts List.

Item	Example
(1) Name of Instrument	Synthesized Signal Generator MG3632A
(2) Name of Parts List	Parts List of: A2-A10 ATT DRIVE
(3) Ref. No.	Q4
(4) Part Code (or part name)	μPA2982C ***Note:*** Part name is given in the Parts List Description column. When ordering a part or parts with an asterisk, the exact specifications are required.
(5) Quantity	1
(6) Serial No. of Instrument	M31257

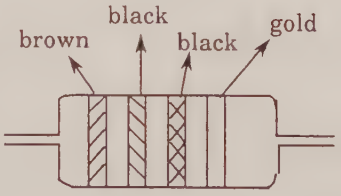
6.3 Reading Capacitance and Resistance

(1) Reading resistance

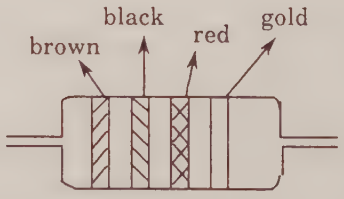


	①		②	③
Color	Figure		Multiplier	Tolerance
	1st	2nd	3rd	4th
Black	0	0	$\times 10^0$	-
Brown	1	1	$\times 10^1$	-
Red	2	2	$\times 10^2$	-
Orange	3	3	$\times 10^3$	-
Yellow	4	4	$\times 10^4$	-
Green	5	5	$\times 10^5$	±0.5%
Blue	6	6	$\times 10^6$	-
Purple	7	7	$\times 10^7$	-
Gray	8	8	$\times 10^8$	-
White	9	9	$\times 10^0$	-
Gold	-	-	$\times 10^{-1}$	±5%
Silver	-	-	$\times 10^{-2}$	±10%
------	-	-		±20%

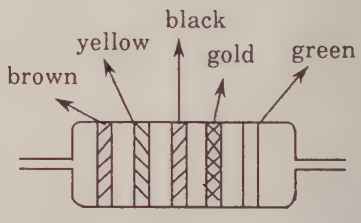
For Example:



$10 \times 10^0 \pm 5\%$
10 Ω, ±5%

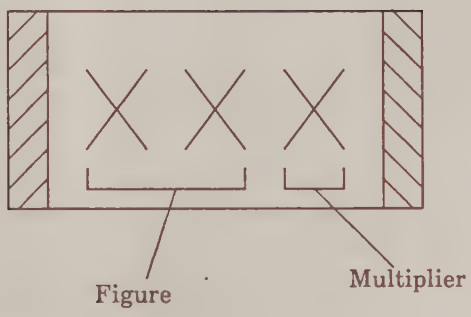


$10 \times 10^2 \pm 5\%$
1 kΩ, ±5%



$140 \times 10^{-1} \pm 0.5\%$
14.0 kΩ, ±5%

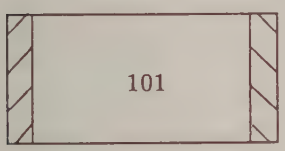
(2) Reading chip resistance



The first two characters are significant digits and the last numeric character indicates the number of zeros following the first two characters.

A decimal point is represented by the character R, and numeric characters are all significant digits in the R representation.

For Example:

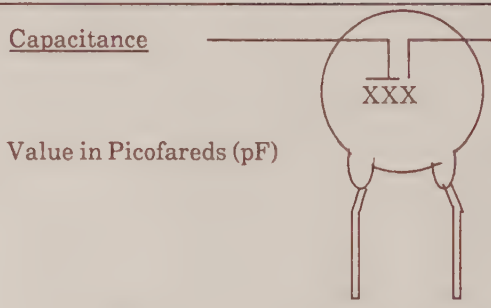


100 Ω

10 kΩ

4.7 Ω

(3) Reading capacitance



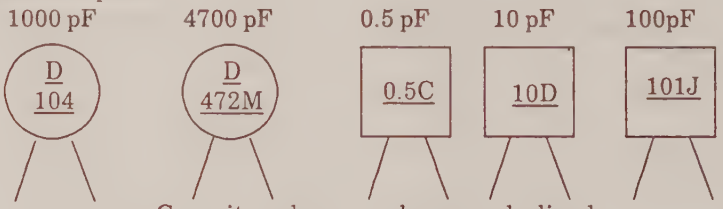
Examples: 103 = 10,000 pF = 10^{-8} F or 0.01 μF
302 = 3,000 pF = 3×10^{-9} F or 0.003 μF
676 = 67,000,000 pF = 67×10^{-6} F or 67 μF

(a) Ceramic and polyester capacitors

Indication	0.5	1	10	101	102	103	104
Capacitance	0.5 pF	1 pF	10 pF	100 pF	1000 pF	0.01 μF	0.1 μF

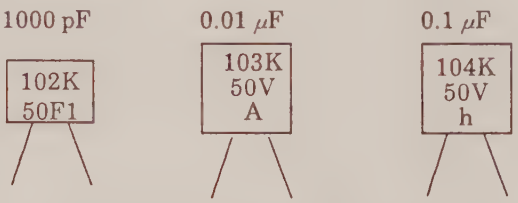
Example:

Ceramic Capacitor



Capacity values are always underlined.

Polyester Capacitor

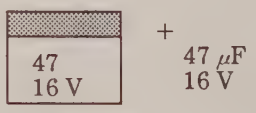


(b) Tantalum, metallized, and electrolytic capacitors

Indication	OR47	010	100	101
Capacitance	0.47 μF	1 μF	10 μF	100 μF

(c) Chip tantalum capacitor

Indication	0.47	4.7	47
Capacitance	0.47 μF	4.7 μF	47 μF



6.4 Parts List

Refer to Table 3-4 Circuit Names and Reference.

Parts List of M 3641/32A
SYNTHESIZED SIGNAL GENERATOR
OVERALL

Ref No.	Part Code	Description	Rating	Qty	Note
\					33W32410
\	2	A1 PANEL UNIT		1	34W99291
\					33W32415
		A2 SG UNIT		1	34W99296
	1	CAP BNC-DC-NI		1	

Dep

ANRITSU CORP.

Parts List of: A1 PANEL UNIT OVERALL

Ref No.	Part Code	Description	Rating	Qty	Note
A	1	A1-A1 PANEL1		1	34W99291
A	2	A1-A2 PANEL2		1	34W99293
J	1	PLUG 1625-04P1		1	15G011
S	1	PUSH SWITCH ESB99582V	6A	1	

Dep

ANRITSU CORP.

Parts List of: A1-A1 PANEL 1

Ref No.	Part Code	Description	Rating	Qty	Note
B	1	BUZZER [illegible]		1	
C	1	CER CAP CK733F1H104Z	0.1μ F,50V +80/ 20%	1	
C	2	CER CAP CK733F1H104Z	0.1μ F,50V +80/ 20%	1	
C	3	CER CAP CK733F1H104Z	0.1μ F,50V +80/-20%	1	
C	4	CER CAP CK733F1H104Z	0.1μ F,50V +80/-20%	1	
C	5	AL ELECTLT CAP CE04C1A101A	100μ F - 20%,10V	1	
C	6	NOT ASSIGNED			
C	7	NOT ASSIGNED			
C	8	NOT ASSIGNED			
C	9	NOT ASSIGNED			
C	10	CER CAP CC732CH1H331J	330p F ± 5%,50V	1	
C	11	CER CAP CC732CH1H331J	330p F ± 5%,50V	1	
C	12	CER CAP CC732CH1H331J	330p F ± 5%,50V	1	
C	13	CER CAP CC732CH1H331J	330p F ± 5%,50V	1	
C	14	CER CAP CC732CH1H331J	330p F ± 5%,50V	1	
C	15	CER CAP CC732CH1H331J	330p F ± 5%,50V	1	
C	16	CER CAP CC732CH1H331J	330p F ± 5%,50V	1	
C	17	CER CAP CC732CH1H331J	330p F ± 5%,50V	1	
C	18	CER CAP CC732CH1H331J	330p F ± 5%,50V	1	
C	19	CER CAP CC732CH1H331J	330p F ± 5%,50V	1	
C	20	CER CAP CC732CH1H331J	330p F ± 5%,50V	1	

Dep

ANRITSU CORP.

Parts List of: A1-A1 PANEL 1

Ref No.	Part Code	Description	Rating	Qty	Note
C	21	CER CAP CC732CH1H331J	330p F ± 5%,50V	1	
C	22	CER CAP CC732CH1H331J	330p F ± 5%,50V	1	
C	23	CER CAP CK733F1H104Z	0.1μ F,50V +80/-20%	1	
C	24	CER CAP CK733F1H104Z	0.1μ F,50V +80/-20%	1	
C	25	CER CAP CK733F1H104Z	0.1μ F,50V +80/-20%	1	
C	26	CER CAP CK733F1H104Z	0.1μ F,50V +80/-20%	1	
C	27	CER CAP CK733F1H104Z	0.1μ F,50V +80/-20%	1	
C	28	CER CAP CK733F1H104Z	0.1μ F,50V +80/-20%	1	
C	29	CER CAP CK733F1H104Z	0.1μ F,50V +80/-20%	1	
C	30	CER CAP CK733F1H104Z	0.1μ F,50V +80/-20%	1	
C	31	CER CAP CK733F1H104Z	0.1μ F,50V +80/-20%	1	
C	32	CER CAP CK733F1H104Z	0.1μ F,50V +80/-20%	1	
C	33	CER CAP CK733F1H104Z	0.1μ F,50V +80/-20%	1	
C	34	CER CAP CK733F1H104Z	0.1μ F,50V +80/-20%	1	
C	35	CER CAP CK733F1H104Z	0.1μ F,50V +80/-20%	1	
C	36	CER CAP CK733F1H104Z	0.1μ F,50V +80/-20%	1	
C	37	CER CAP CK733F1H104Z	0.1μ F,50V +80/-20%	1	
C	38	CER CAP CK733F1H104Z	0.1μ F,50V +80/-20%	1	
C	39	CER CAP CK733F1H104Z	0.1μ F,50V +80/-20%	1	
C	40	CER CAP CK733F1H104Z	0.1μ F,50V +80/-20%	1	
C	41	CER CAP CK733F1H104Z	0.1μ F,50V +80/-20%	1	
C	42	CER CAP CK733F1H104Z	0.1μ F,50V +80/-20%	1	
C	43	CER CAP CK733F1H104Z	0.1μ F,50V +80/-20%	1	

Dep

ANRITSU CORP.

Parts List of: A1-A1 PANEL 1

Ref No.	Part Code	Description	Rating	Qty	Note
C 44		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 45		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 46		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 47		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 48		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 49		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 50		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 51		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 52		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 53		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 54		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 55		AL ELECTLT CAP	10μ F		
		CE04C1H100A	± 20%,50V	1	
L 1		INDUCTOR	10μ H, ± 10%		
		LF8-100K		1	
Q 1		IC			
		74HC14F		1	
Q 2		IC			
		74HC14F		1	
Q 3		IC			
		74HC14F		1	
Q 4		IC			
		74HC4094F		1	
Q 5		IC			
		74HC4094F		1	
Q 6		IC			
		74HC4094F		1	
Q 7		IC			
		74HC4094F		1	

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ANRITSU CORP.

Parts List of: A1-A1 PANEL 1

Ref No.	Part Code	Description	Rating	Qty	Note
Q 8		IC			
		74HC4094F		1	
Q 9		IC			
		74HC4094F		1	
Q 10		IC			
		74HC4094F		1	
Q 11		IC			
		74HC4094F		1	
Q 12		IC			
		74HC4094F		1	
Q 13		IC			
		74HC4094F		1	
Q 14		IC			
		74HC4094F		1	
Q 15		IC			
		74HC4094F		1	
Q 16		IC			
		74HC4094F		1	
Q 17		IC			
		74HC4094F		1	
Q 18		IC			
		74HC4094F		1	
Q 19		IC			
		74HC4094F		1	
Q 20		IC			
		74HC4094F		1	
Q 21		IC			
		74HC4094F		1	
Q 22		IC			
		74HC4094F		1	
Q 23		IC			
		74HC4094F		1	
Q 24		IC			
		74HC4094F		1	
Q 25		IC			
		74HC4094F		1	
Q 26		IC			
		74HC4094F		1	
Q 27		IC			
		74HC4094F		1	
Q 28		IC			
		74HC4094F		1	
Q 29		IC			
		74HC4094F		1	
Q 30		IC			
		74HC4094F		1	

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ANRITSU CORP.

Parts List of: A1-A1 PANEL 1

Ref No.	Part Code	Description	Rating	Qty	Note
Q 31		IC			
		74HC4094F		1	
Q 32		IC			
		74HC00F		1	
Q 33		DIODE			
		1S955		1	
Q 34		TRANSISTOR			
		2SC1623		1	
R 1		RES ARRAY	100KΩ		
		RKS-6-104JA	± 5%	1	
R 2		CERMET RESISTOR	4.7KΩ		
		RK73M2A472J	± 5%,1/10W	1	
W 1		CABLE	20P		TRCN 16-8-
		CVF25-20D-AA030S		1	13
W 2		CABLE	60P		
		34J99635A		1	
W 3		CABLE	80P		
		34J99635B		1	
W 4		CABLE	100P		
		34J99635C		1	

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ANRITSU CORP.

Parts List of: A1-A2 PANEL 2

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Ref No.	Part Code	Description	Rating	Qty	Note
C 1		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 2		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 3		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 4		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 5		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 6		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
Q 1		DISPLAY			
		LN513GA		1	
Q 2		DISPLAY			
		LN513GA		1	
Q 3		DISPLAY			
		LN513GA		1	
Q 4		DISPLAY			
		LN513GA		1	
Q 5		DISPLAY			
		LN513GA		1	
Q 6		DISPLAY			
		HDSP-7807		1	
Q 7		DISPLAY			
		LN513GA		1	
Q 8		DISPLAY			
		LN513GA		1	
Q 9		DISPLAY			
		LN513GA		1	
Q 10		DISPLAY			
		LN513GA		1	
Q 11		DISPLAY			
		LN513GA		1	
Q 12		DISPLAY			
		LN513GA		1	
Q 13		DISPLAY			
		LN513GA		1	
Q 14		DISPLAY			
		LN513GA		1	
Q 15		DISPLAY			
		LN513GA		1	

DRAWING No. 34W99293

ANRITSU CORP.

Parts List of: A1-A2 PANEL 2

Ref. No.	Part Code	Description	Rating	Qty	Note
Q 16		DISPLAY			
		LN513GA		1	
Q 17		DISPLAY			
		LN513GA		1	
Q 18		DISPLAY			
		HDSP-7807		1	
Q 19		DISPLAY			
		LN513GA		1	
Q 20		DISPLAY			
		LN513GA		1	
Q 21		DISPLAY			
		LN513GA		1	
Q 22		LED MDL			
		HLMP-2820		1	
Q 23		LED MDL			
		HLMP-2820		1	
Q 24		LED MDL			
		HLMP-2820		1	
Q 25		LED MDL			
		HLMP-2820		1	
Q 26		LED MDL			
		HLMP-2820		1	
Q 27		LED			
		LN342GPH		1	
Q 28		LED			
		TLR226		1	
Q 29		LED			
		TLR226		1	
Q 30		LED			
		TLG226		1	
Q 31		LED			
		TLG226		1	
Q 32		LED			
		TLG226		1	
Q 33		LED			
		TLG226		1	
Q 34		LED			
		TLG226		1	
Q 35		LED			
		TLG226		1	
Q 36		LED			
		LN342GPH		1	
Q 37		LED			
		LN442YPH		1	
Q 38		LED			
		GL480M		1	

* Selected at factory

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ANRITSU CORP.

Parts List of: A1-A2 PANEL 2

Ref. No.	Part Code	Description	Rating	Qty	Note
Q 39		LED			
		GL480M		1	
Q 40		PHOTO TRANSISTOR			
		PT480M		1	
Q 41		PHOTO TRANSISTOR			
		PT480M		1	
Q 42		LED			
		GL480M		1	
Q 43		LED			
		GL480M		1	
Q 44		PHOTO TRANSISTOR			
		PT480M		1	
Q 45		PHOTO TRANSISTOR			
		PT480M		1	
Q 46		IC			
		74HC14F		1	
Q 47		IC			
		74HC74F		1	
Q 48		IC			
		74HC74F		1	
Q 49		IC			
		TD62003F		1	
Q 50		IC			
		74HC165F		1	
Q 51		IC			
		74HC165F		1	
Q 52		IC			
		74HC148F		1	
R 1		RES ARRAY	220Ω		
		RRS-4-221JB	± 5%	1	
R 2		RES ARRAY	220Ω		
		RRS-4-221JB	± 5%	1	
R 3		RES ARRAY	220Ω		
		RRS-4-221JB	± 5%	1	
R 4		RES ARRAY	220Ω		
		RRS-4-221JB	± 5%	1	
R 5		RES ARRAY	220Ω		
		RRS-4-221JB	± 5%	1	
R 6		RES ARRAY	220Ω		
		RRS-4-221JB	± 5%	1	
R 7		RES ARRAY	220Ω		
		RRS-4-221JB	± 5%	1	
R 8		RES ARRAY	220Ω		
		RRS-4-221JB	± 5%	1	

* Selected at factory

DRAWING No. 34W99293 2/8

ANRITSU CORP.

Parts List of: A1-A2 PANEL 2

Ref. No.	Part Code	Description	Rating	Qty	Note
R 9		RES ARRAY	22		
		RRS-4-221JB	± 5%	1	
R 10		RES ARRAY	220Ω		
		RRS-4-221JB	± 5%	1	
R 11		RES ARRAY	220Ω		
		RRS-4-221JB	± 5%	1	
R 12		RES ARRAY	220Ω		
		RRS-4-221JB	± 5%	1	
R 13		RES ARRAY	220Ω		
		RRS-4-221JB	± 5%	1	
R 14		RES ARRAY	220Ω		
		RRS-4-221JB	± 5%	1	
R 15		RES ARRAY	220Ω		
		RRS-4-221JB	± 5%	1	
R 16		RES ARRAY	220Ω		
		RRS-4-221JB	± 5%	1	
R 17		RES ARRAY	220Ω		
		RRS-4-221JB	± 5%	1	
R 18		RES ARRAY	220Ω		
		RRS-4-221JB	± 5%	1	
R 19		RES ARRAY	220Ω		
		RRS-4-221JB	± 5%	1	
R 20		RES ARRAY	220Ω		
		RRS-4-221JB	± 5%	1	
R 21		RES ARRAY	220Ω		
		RRS-4-221JB	± 5%	1	
R 22		RES ARRAY	220Ω		
		RRS-4-221JB	± 5%	1	
R 23		RES ARRAY	220Ω		
		RRS-4-221JB	± 5%	1	
R 24		RES ARRAY	220Ω		
		RRS-4-221JB	± 5%	1	
R 25		RES ARRAY	220Ω		
		RRS-4-221JB	± 5%	1	
R 26		RES ARRAY	220Ω		
		RRS-4-221JB	± 5%	1	
R 27		RES ARRAY	220Ω		
		RRS-4-221JB	± 5%	1	
R 28		RES ARRAY	220Ω		
		RRS-4-221JB	± 5%	1	
R 29		RES ARRAY	220Ω		
		RRS-4-221JB	± 5%	1	
R 30		RES ARRAY	220Ω		
		RRS-4-221JB	± 5%	1	
R 31		RES ARRAY	220Ω		
		RRS-4-221JB	± 5%	1	

* Selected at factory

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ANRITSU CORP.

Parts List of: A1-A2 PANEL 2

Ref. No.	Part Code	Description	Rating	Qty	Note
R 32		RES ARRAY	220		
		RRS-4-221JB	± 5%	1	
R 33		RES ARRAY	220Ω		
		RRS-4-221JB	± 5%	1	
R 34		RES ARRAY	220Ω		
		RRS-4-221JB	± 5%	1	
R 35		RES ARRAY	220Ω		
		RRS-4-221JB	± 5%	1	
R 36		RES ARRAY	220Ω		
		RRS-4-221JB	± 5%	1	
R 37		RES ARRAY	220Ω		
		RRS-4-221JB	± 5%	1	
R 38		RES ARRAY	220Ω		
		RRS-4-221JB	± 5%	1	
R 39		RES ARRAY	220Ω		
		RRS-4-221JB	± 5%	1	
R 40		RES ARRAY	220Ω		
		RRS-4-221JB	± 5%	1	
R 41		RES ARRAY	220Ω		
		RRS-4-221JB	± 5%	1	
R 42		RES ARRAY	220Ω		
		RRS-4-221JB	± 5%	1	
R 43		RES ARRAY	220Ω		
		RRS-6-221JA	± 5%	1	
R 44		RES ARRAY	220Ω		
		RRS-6-221JA	± 5%	1	
R 45		RES ARRAY	220Ω		
		RRS-6-221JA	± 5%	1	
R 46		RES ARRAY	220Ω		
		RRS-6-221JA	± 5%	1	
R 47		RES ARRAY	220Ω		
		RRS-6-221JA	± 5%	1	
R 48		RES ARRAY	220Ω		
		RRS-6-221JA	± 5%	1	
R 49		RES ARRAY	220Ω		
		RRS-6-221JA	± 5%	1	
R 50		NOT ASSIGNED			
R 51		CERMET RESISTOR	220Ω		
		RK73M2A221J	± 5%,1/10W	1	
R 52		CERMET RESISTOR	1kΩ		
		RK73M2A102J	± 5%,1/10W	1	
R 53		CERMET RESISTOR	1kΩ		
		RK73M2A102J	± 5%,1/10W	1	
R 54		CERMET RESISTOR	5.6kΩ		
		RK73M2A562J	± 5%,1/10W	1	

* Selected at factory

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ANRITSU CORP.

Parts List of: A1-A2 PANEL 2

Ref. No.	Part Code	Description	Rating	Qty	Note
R 55		CERMET RESISTOR	5.6KΩ		
		RK73M2A562J	± 5%,1/10W	1	
R 56		CERMET RESISTOR	1KΩ		
		RK73M2A102J	± 5%,1/10W	1	
R 57		CERMET RESISTOR	1KΩ		
		RK73M2A102J	± 5%,1/10W	1	
R 58		CERMET RESISTOR	5.6KΩ		
		RK73M2A562J	± 5%,1/10W	1	
R 59		CERMET RESISTOR	5.6KΩ		
		RK73M2A562J	± 5%,1/10W	1	
R 60		RES ARRAY	100KΩ		
		RRS-8-104JA	± 5%	1	
R 61		RES ARRAY	3.3KΩ		
		RRS-8-332JA	± 5%	1	
R 62		CERMET RESISTOR	560Ω		
		RK73M2A561J	± 5%,1/10W	1	
S 1		KEY SWITCH	RED, W/LED		
		M85A-0NY01		1	
S 2		KEY SWITCH			
		M85A-0N001		1	
S 3		KEY SWITCH			
		M85A-0N001		1	
S 4		KEY SWITCH			
		M85A-0N001		1	
S 5		KEY SWITCH	GREEN, W/LED		
		M85A-0NG01		1	
S 6		KEY SWITCH			
		M85A-0N001		1	
S 7		KEY SWITCH			
		M85A-0N001		1	
S 8		KEY SWITCH			
		M85A-0N001		1	
S 9		KEY SWITCH			
		M85A-0N001		1	
S 10		KEY SWITCH	GREEN, W/LED		
		M85A-0NG01		1	
S 11		KEY SWITCH			
		M85A-0N001		1	
S 12		KEY SWITCH			
		M85A-0N001		1	
S 13		KEY SWITCH			
		M85A-0N001		1	
S 14		KEY SWITCH			
		M85A-0N001		1	

Dep.

* Selected at factory

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ANRITSU CORP.

Parts List of: A1-A2 PANEL 2

Ref. No.	Part Code	Description	Rating	Qty	Note
S 15		KEY SWITCH			
		M85A-0N001		1	
S 16		KEY SWITCH			
		M85A-0N001		1	
S 17		KEY SWITCH			
		M85A-0N001		1	
S 18		KEY SWITCH			
		M85A-0N001		1	
S 19		KEY SWITCH			
		M85A-0N001		1	
S 20		KEY SWITCH	GREEN, W/LED		
		M85A-0NG01		1	
S 21		KEY SWITCH			
		M85A-0N001		1	
S 22		KEY SWITCH			
		M85A-0N001		1	
S 23		KEY SWITCH			
		M85A-0N001		1	
S 24		KEY SWITCH			
		M85A-0N001		1	
S 25		KEY SWITCH			
		M85A-0N001		1	
S 26		KEY SWITCH			
		M85A-0N001		1	
S 27		KEY SWITCH			
		M85A-0N001		1	
S 28		KEY SWITCH			
		M85A-0N001		1	
S 29		KEY SWITCH			
		M85A-0N001		1	
S 30		KEY SWITCH			
		M85A-0N001		1	
S 31		KEY SWITCH			
		M85A-0N001		1	
S 32		KEY SWITCH			
		M85A-0N001		1	
S 33		KEY SWITCH			
		M85A-0N001		1	
S 34		KEY SWITCH			
		M85A-0N001		1	
S 35		KEY SWITCH			
		M85A-0N001		1	
S 36		KEY SWITCH			
		M85A-0N001		1	
S 37		KEY SWITCH			
		M85A-0N001		1	

Dep.

* Selected at factory

DRAWING No. 34W99293

ANRITSU CORP.

Parts List of: A1-A2 PANEL 2

Ref. No.	Part Code	Description	Rating	Qty	Note
S 38		KEY SWITCH	GREEN, W/LED		
		M85A-0NG01		1	
S 39		KEY SWITCH			
		M85A-0N001		1	
S 40		KEY SWITCH			
		M85A-0N001		1	
S 41		KEY SWITCH			
		M85A-0N001		1	
S 42		KEY SWITCH			
		M85A-0N001		1	
S 43		KEY SWITCH			
		M85A-0N001		1	
Z 1		ROTARY ENCODER			
		MRE30S		1	
Z 2		ROTARY ENCODER			
		MRE30S		1	

Dep.

* Selected at factory

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ANRITSU CORP.

Parts List of: A2 SG UNIT OVERALL

5

Ref. No.	Part Code	Description	Rating	Qty	Note
A 1		A1 BUFFER		1	
A 2		A2 REFERENCE		1	
A 3		A3 FM-VCO		1	
A 4		A4 LF SYNTHE		1	
A 5		A5 20MHZ STEP		1	
A 6		A6 MAIN LOOP		1	
A 7		A7 OUTPUT		1	
A 8		NOT ASSIGNED			
A 9		NOT ASSIGNED			
A 10		A10 ATT DRIVE		1	
A 11		NOT ASSIGNED			
A 12		A12 MODULATION			
A 13		A13 POWER SUPPLY		1	
A 14		A14 CPU		1	
A 15		A15 INTERFACE		1	34W99613
AT 1		P-ATT		1	
C 1		LINE FILTER			
		ZFN5101-01R		1	
C 2		LINE FILTER			
		ZFN5101-01R		1	
C 3		LINE FILTER			
		ZFN5101-01R		1	
C 4		LINE FILTER			
		ZFN5101-01R		1	
C 5		LINE FILTER			
		ZFN5101-01R		1	

Dep.

* Selected at factory

DRAWING No. 34W99296 1/8

ANRITSU CORP.

Parts List of A2 SG UNIT OVERALL

Ref No.	Part Code	Description	Rating	Qty	Note
C		LINE FILTER			
		ZFN5101-01R		1	
7		LINE FILTER			
		ZFN5101-01R			
8		LINE FILTER			
		ZFN5101-01R			
9		LINE FILTER			
		ZFN5101-01R		1	
10		LINE FILTER			
		ZFN5101-01R		1	
11		LINE FILTER			
		ZFN5101-01R		1	
12		LINE FILTER			
		ZFN5101-01R		1	
13		LINE FILTER			
		ZFN5101-01R		1	
14		LINE FILTER			
		ZFN5101-01R		1	
15		LINE FILTER			
		ZFN5101-01R		1	
16		LINE FILTER			
		ZFN5101-01R		1	
17		LINE FILTER			
		ZFN5101-01R			
18		LINE FILTER			
		ZFN5101-01R		1	
19		LINE FILTER			
		ZFN5101-01R		1	
20		LINE FILTER			
		ZFN5101-01R		1	
21		CER CAP	1000p F,50V		
		DF553F102PY50	+100/-0%	1	
22		CER CAP	1000p F,50V		
		DF553F102PY50	+100/-0%		
23		CER CAP	1000p F,50V		
		DF553F102PY50	+100/-0%	1	
24		CER CAP	1000p F,50V		
		DF553F102PY50	+100/-0%	1	
25		CER CAP	1000p F,50V		
		DF553F102PY50	+100/-0%	1	
26		CER CAP	1000p F,50V		
		DF553F102PY50	+100/-0%	1	
27		CER CAP	1000p F,50V		
		DF553F102PY50	+100/-0%	1	
28		CER CAP	1000p F,50V		
		DF553F102PY50	+100/-0%	1	

Dep

ANRITSU CORP.

Parts List of: A2 SG UNIT OVERALL

Ref No.	Part Code	Description	Rating	Qty	Note
C 29		CER CAP	1000p F,50V		
		DF553F102PY50	+100/-0%	1	
C 30		CER CAP	1000p F,50V		
		DF553F102PY50	+100/-0%	1	
C 31		CER CAP	1000p F,50V		
		DF553F102PY50	+100/-0%	1	
C 32		CER CAP	1000p F,50V		
		DF553F102PY50	+100/-0%	1	
C 33		CER CAP	1000p F,50V		
		DF553F102PY50	+100/-0%	1	
C 34		CER CAP	1000p F,50V		
		DF553F102PY50	+100/-0%	1	
C 35		CER CAP	1000p F,50V		
		DF553F102PY50	+100/-0%	1	
C 36		CER CAP	1000p F,50V		
		DF553F102PY50	+100/-0%	1	
C 37		CER CAP	1000p F,50V		
		DF553F102PY50	+100/-0%	1	
C 38		CER CAP	1000p F,50V		
		DF553F102PY50	+100/-0%	1	
C 39		CER CAP	1000p F,50V		
		DF553F102PY50	+100/-0%	1	
C 40		CER CAP	1000p F,50V		
		DF553F102PY50	+100/-0%	1	
C 41		CER CAP	1000p F,50V		
		DF553F102PY50	+100/-0%	1	
C 42		CER CAP	1000p F,50V		
		DF553F102PY50	+100/-0%	1	
E 1		GROUND TERMINAL			
		44E87532		1	
F 1		FUSE	3.15A,250V		
		T3.15A250V		1	
F 2		FUSE	3.15A,250V		
		T3.15A250V			
	1	FAN			
		109R0612H4021		1	

Dep

ANRITSU CORP.

Parts List of A2 SG UNIT OVERALL

Ref No.	Part Code	Description	Rating	Qty	Note
		INLET			
		NC-165			
		TERMINAL	=187.0 8.■		
		ICTDN480809-FA		1	
		TERMINAL	=187.0 8l■		
		ICTDN480809-FA		1	
4		TERMINAL	=187.0.8l■		
		ICTDN480809-FA		1	
		RECEPTACLE	4P		1561T
		1625-04R1			
		RECEPTACLE	6P		
		HR10A-7R-6S			
		NOT ASSIGNED			
8		NOT ASSIGNED			
9		ADAPTER	OMS-N		
		NM61-2F		1	
		PLUG			
		BNC-R-N1			
		PLUG			
		BNC-R-N1		1	
		JACK	2P		
		DF1-2S2.5R24		1	
13		RECEPTACLE	10P		
		HR10A-10R-10S		1	
J 14		RECEPTACLE	4P		1561T
		1625-04R1		1	
15		PLUG	4P		1560TI
		1625-04P1		1	
N 1		NOT ASSIGNED			
N 2		NOT ASSIGNED			
T 1		POWER TRANSFORMER			
		34T100308		1	
W 1		CABLE	L-SB2203		
		34J68154R	70■ ,22P	1	

Dep

ANRITSU CORP.

Parts List of: A2 SG UNIT OVERALL

Ref No.	Part Code	Description	Rating	Qty	Note
W 2		CABLE	100■ ,30P		
		CNE3-30D-AC010S		1	
W 3		NOT ASSIGNED			
W 4		CABLE	200■ ,15P		
		DF1-15S2.5R24 20C-1		1	
W 5		CABLE	150■		DOUBLE
		27DP-LP-1P		1	SHIELDED
W 6		CABLE	150■		DOUBLE
		27DP-LP-1P		1	SHIELDED
W 7			80■ ,5P		1.5D-XV
		342W99788 DF1CABLE		1	
W 8			700■ ,8P		
		34W100369 DF1BCABLE		1	
W 9			400■ ,8P		
		34W100370 DF1BCABLE		1	
W 10		CABLE	100■ ,5P		
		DF1-5S2.5R24-10C-1		1	
W 11		CABLE	100■ ,10P		
		DF1-10S2.5R24-10C-1		1	
W 12		CABLE	1000■ ,3P		
		DF1-3S2.5R24-100B-1		1	
W 13			1150■ ,8P		
		34W100371 DF1BCABLE		1	
W 14		NOT ASSIGNED			
W 15			SHIELDED		
		COAXIAL CABLE	LINE	1	
W 16			SHIELDED		
		COAXIAL CABLE	LINE	1	
W 17		34J100347	SC160D		
		SEMI-RIGID CABLE		1	
W 18			SHIELDED		
		COAXIAL CABLE	LINE	1	
W 19		34J100637	SC160D		
		SEMI-RIGID CABLE		1	
W 20		34J100348	UT85		
		SEMI-RIGID CABLE	NM11-2F	1	
W 21		NOT ASSIGNED			
W 22		34J100349	UT85		
		SEMI-RIGID CABLE	NM11-2F	1	
W 23		NOT ASSIGNED			
W 24			150■		TRCN-16-8-
		57FE-150 GP-1B		1	13

Dep

ANRITSU CORP.

Parts List of: A2 SG UNIT OVERALL

Ref. No.	Part Code	Description	Rating	Qty	Note
W 25		34J100350 SEMI-RIGID CABLE	UT-85 BNC-PJ152	1	
W 26		34J100350 SEMI-RIGID CABLE	UT-85 BNC-PJ152	1	
Z 1		AC LINE FILTER ZMB2203-13		TRCN-16-8- 1 13	

Dep

DRAWING № 34N99297 6/6

ANRITSU CORP.

Parts List of: A2-A1 BUFFER

6

Ref No.	Part Code	Description	Rating	Qty	Note
C 1		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 2		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 3		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 4		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 5		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 6		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 7		NOT ASSIGNED			
C 8		CER CAP	100p F		
		CC732CH1H101J	± 5%,50V	1	
C 9		CER CAP	100p F		
		CC732CH1H101J	± 5%,50V	1	
C 10		CER CAP	100p F		
		CC732CH1H101J	5%,50V	1	
C 11		CER CAP	1000p F		
		CC732CH1H102J	± 5%,50V	1	
C 12		CER CAP	100p F		
		CC732CH1H101J	± 5%,50V	1	
C 13		CER CAP	100p F		
		CC732CH1H101J	± 5%,50V	1	
C 14		CER CAP	100p F		
		CC732CH1H101J	± 5%,50V	1	
C 15		CER CAP	100p F		
		CC732CH1H101J	± 5%,50V	1	
C 16		CER CAP	100p F		
		CC732CH1H101J	± 5%,50V	1	
C 17		CER CAP	100p F		
		CC732CH1H101J	± 5%,50V	1	
C 18		CER CAP	100p F		
		CC732CH1H101J	± 5%,50V	1	
C 19		CER CAP	100p F		
		CC732CH1H101J	± 5%,50V	1	
C 20		CER CAP	100p F		
		CC732CH1H101J	5%,50V	1	
C 21		CER CAP	100p F		
		CC732CH1H101J	± 5%,50V	1	
C 22		CER CAP	100p F		
		CC732CH1H101J	± 5%,50V	1	
C 23		CER CAP	100p F		
		CC732CH1H101J	± 5%,50V	1	

Dep

• Selected at factory

DRAWING № 34N99297 1/4

ANRITSU CORP.

Parts List of: A2-A1 BUFFER

Ref No.	Part Code	Description	Rating	Qty	Note
C 24		CER CAP	1000p F		
		CC732CH1H101J	± 5%,50V		
C 25		CER CAP	100p F		
		CC732CH1H101J	± 5%,50V	1	
C 26		CER CAP	100p F		
		CC732CH1H101J	± 5%,50V	1	
C 27		CER CAP	100p F		
		CC732CH1H101J	± 5%,50V	1	
C 28		CER CAP	1000p F		
		CC732CH1H102J	± 5%,50V	1	
C 29		CER CAP	1000p F		
		CC732CH1H102J	± 5%,50V	1	
J 1		PLUG	22P		
		L-PB2221		1	
J 2		PLUG	30P		
		HIF3FC-30PA-2.54DSA		1	
J 3		NOT ASSIGNED			
J 4		PLUG	17P		
		DF1-15P2.5DSA		1	
J 5		PLUG			
		27DP-R-PC-1		1	
J 6		PLUG			
		27DP-R-PC-1		1	
J 7		PLUG	8P, WHITE		
		DF1B-8P2.5DSA(01)		1	
J 8		PLUG	20P		
		HIF3F-20PA-2.54DSA		1	
J 9		PLUG	8P, RED		
		DF1B-8P2.5DSA(38)		1	
J 10		PLUG	3P, WHITE		
		DF1B-3P2.5DSA(01)		1	
Q 1		IC			
		74HC14F		1	
Q 2		IC			
		74HC14F		1	
Q 3		IC			
		74HC14F		1	
Q 4		IC			
		74HC14F		1	
Q 5		IC			
		74HC14F		1	

Dep

• Selected at factory

DRAWING № 34N99297 2/4

ANRITSU CORP.

Parts List of A2-A1 BUFFER

Ref No.	Part Code	Description	Rating	Qty	Note
Q 6		IC			
		74HC14F			
Q 7		NOT ASSIGNED			
Q 8		NOT ASSIGNED			
Q 9		DIODE			
		1S2838		1	
Q 10		TRANSISTOR			
		2SC1623		1	
Q 11		TRANSISTOR			
		2SC1623		1	
Q 12		TRANSISTOR			
		2SC1623		1	
R 1		RES ARRAY	100Ω		
		RRS-6-104JA	5%	1	
R 2		RES ARRAY	100kΩ		
		RRS-6-104JA	5%	1	
R 3		RES ARRAY	100kΩ		
		RRS-6-104JA	5%	1	
R 4		CERMET RESISTOR	100kΩ		
		RK73M2A104J	± 5%,1/10W	1	
R 5		CERMET RESISTOR	10kΩ		
		RK73M2A103J	± 5%,1/10W	1	
R 6		CERMET RESISTOR	10kΩ		
		RK73M2A103J	± 5%,1/10W	1	
R 7		CERMET RESISTOR	10kΩ		
		RK73M2A103J	± 5%,1/10W	1	
R 8		CERMET RESISTOR	10kΩ		
		RK73M2A103J	± 5%,1/10W	1	
R 9		CERMET RESISTOR	1kΩ		
		RK73M2A102J	± 5%,1/10W	1	
R 10		CERMET RESISTOR	10kΩ		
		RK73M2A103J	± 5%,1/10W	1	
R 11		CERMET RESISTOR	3.3kΩ		
		RK73M2A332J	± 5%,1/10W	1	
R 12		RES ARRAY	10kΩ		
		RRS-4-103JA	5%	1	
R 13		NOT ASSIGNED			
R 14		NOT ASSIGNED			
R 15		CERMET RESISTOR,	3.3kΩ		
		RK73M2A332J	± 5%,1/10W	1	

Dep

• Selected at factory

DRAWING № 34N99297 3/4

ANRITSU CORP.

Parts List of: A2-A1 BUFFER

Ref. No.	Part Code	Description	Rating	Qty	Note
R 16		CERMET RESISTOR	3.3KΩ		
		RK73M2A332J	± 5%,1/10W	1	

Dep

ANRITSU CORP.

Parts List of: A2-A2 REFERENCE

7

Ref. No.	Part Code	Description	Rating	Qty	Note
C 1		CER CAP	0.01μF		
		CK732B1H103K	± 10%,50V	1	
C 2		CER CAP	0.01μF		
		CK732B1H103K	± 10%,50V	1	
C 3		CER CAP	0.01μF		
		CK732B1H103K	± 10%,50V	1	
C 4		CER CAP	0.022μF		
		CK732B1H223K	± 10%,50V	1	
C 5		CER CAP	0.1μF		
		CK733B1H104K	± 10%,50V	1	
C 6		NOT ASSIGNED			
C 7		CER CAP	0.01μF		
		CK732B1H103K	± 10%,50V	1	
C 8		NOT ASSIGNED			
C 9		CER CAP	0.1μF		
		CK733B1H104K	± 10%,50V	1	
C 10		CER CAP	100pF		
		CC732CH1H101J	± 5%,50V	1	
C 11		CER CAP	0.1μF		
		CK733B1H104K	± 10%,50V	1	
C 12		CER CAP	0.01μF		
		CK732B1H103K	± 10%,50V	1	
C 13		CER CAP	0.01μF		
		CK732B1H103K	± 10%,50V	1	
C 14		CER CAP	0.01μF		
		CK732B1H103K	± 10%,50V	1	
C 15		CER CAP	0.01μF		
		CK732B1H103K	± 10%,50V	1	
J 1		PLUG	5P		
		DF1-5P2.5DSA		1	
K 1		RELAY	5V		
		TQ2-5V		1	
L 1		INDUCTOR	10μH ± 10%		
		NL453232-100K		1	

Dep

ANRITSU CORP.

Parts List of: A2-A2 REFERENCE

Ref. No.	Part Code	Description	Rating	Qty	Note
Q 1		DIODE			
		HSM88S		1	
Q 2		DIODE			
		HSM88S		1	
Q 3		IC			
		74AS04F		1	
Q 4		TRANSISTOR			
		2SC1623		1	
Q 5		DIODE			
		1S2837		1	
Q 6		IC			
		μPC1652G		1	
Q 7		IC			
		μPC1652G		1	
R 1		CERMET RESISTOR	47Ω		
		RK73M2A470J	± 5%,1/10W	1	
R 2		CERMET RESISTOR	10KΩ		
		RK73M2A103J	± 5%,1/10W	1	
R 3		CERMET RESISTOR	2.7KΩ		
		RK73M2A272J	± 5%,1/10W	1	
R 4		CERMET RESISTOR	1KΩ		
		RK73M2A102J	± 5%,1/10W	1	
R 5		CERMET RESISTOR	2.2KΩ		
		RK73M2A222J	± 5%,1/10W	1	
R 6		CERMET RESISTOR	10KΩ		
		RK73M2A103J	± 5%,1/10W	1	
R 7		VARIABLE RESISTOR	5KΩ		
		RG6V502	1/2W	1	
R 8		CERMET RESISTOR	10KΩ		
		RK73M2A103J	± 5%,1/10W	1	
R 9		CERMET RESISTOR	2.7KΩ		
		RK73M2A272J	± 5%,1/10W	1	
R 10		CERMET RESISTOR	56Ω		
		RK73M2A560J	± 5%,1/10W	1	
R 11		CERMET RESISTOR	56Ω		
		RK73M2A560J	± 5%,1/10W	1	
R 12		CERMET RESISTOR	10KΩ		
		RK73M2A103J	± 5%,1/10W	1	
R 13		CERMET RESISTOR	2.2KΩ		
		RK73M2A222J	± 5%,1/10W	1	
R 14		CERMET RESISTOR	47Ω		
		RK73M2A470J	± 5%,1/10W	1	

Dep

ANRITSU CORP.

Parts List of: A2-A2 REFERENCE

Ref. No.	Part Code	Description	Rating	Qty	Note
X 1		CRYSTAL OSC	10MHZ		
		5025A-AJD50		1	
X 2		CRYSTAL FILTER	10MHZ		
		YF10.01AD		1	

Dep

ANRITSU CORP.

Parts List of: A2-A3 FM-VCO

8

Ref. No.	Part Code	Description	Rating	Qty	Note
C 1		CER CAP CK732B1H103K	0.01μ F ± 10%,50V	1	
C 2		AL ELECTLT CAP CE04C1A221A	220μ F ± 20%,10V	1	
C 3		CER CAP CK732B1H103K	0.01μ F ± 10%,50V	1	
C 4		AL ELECTLT CAP CE04C1E101A	100μ F ± 20%,25V	1	
C 5		CER CAP CK732B1H103K	0.01μ F ± 10%,50V	1	
C 6		AL ELECTLT CAP CE04C1E331A	330μ F ± 20%,25V	1	
C 7		CER CAP CC732CH1H102J	1000p F ± 5%,50V	1	
C 8		CER CAP CC732CH1H471J	470p F ± 5%,50V	1	
C 9		CER CAP CK732B1H103K	0.01μ F ± 10%,50V	1	
C 10		CER CAP CK732B1H103K	0.01μ F ± 10%,50V	1	
C 11		CER CAP CK732B1H103K	0.01μ F ± 10%,50V	1	
C 12		CER CAP CK732B1H103K	0.01μ F ± 10%,50V	1	
C 13		CER CAP CK732B1H103K	0.01μ F ± 10%,50V	1	
C 14		CER CAP CC732CH1H102J	1000p F ± 5%,50V	1	
C 15		CER CAP CK732B1H103K	0.01μ F ± 10%,50V	1	
C 16		TA ELECTLT CAP CS732E1D335M	3.3μ F ± 20%,20V	1	
C 17		CER CAP CC732CH1H471J	470p F ± 5%,50V	1	
C 18		CER CAP CC732CH1H220J	22p F ± 5%,50V	1	
C 19		CER CAP CC732CH1H220J	22p F ± 5%,50V	1	
C 20		CER CAP CK732B1H103K	0.01μ F ± 10%,50V	1	
C 21		CER CAP CK732B1H103K	0.01μ F ± 10%,50V	1	
C 22		CER CAP CC732CH1H102J	1000p F ± 5%,50V	1	
C 23		CER CAP CK732B1H103K	0.01μ F ± 10%,50V	1	

Dep.

ANRITSU CORP.

Parts List of: A2-A3 FM-VCO

Ref. No.	Part Code	Description	Rating	Qty	Note
C 24		CER CAP CC732CH1H101J	100p F ± 5%,50V	1	
C 25		CER CAP CK732B1H103K	0.01μ F ± 10%,50V	1	
C 26		NOT ASSIGNED			
C 27		NOT ASSIGNED			
C 28		NOT ASSIGNED			
C 29		CER CAP CK732B1H103K	0.01μ F ± 10%,50V	1	
C 30		CER CAP CK732B1H103K	0.01μ F ± 10%,50V	1	
C 31		CER CAP CK732B1H103K	0.01μ F ± 10%,50V	1	
C 32		CER CAP CK732B1H103K	0.01μ F ± 10%,50V	1	
C 33		CER CAP CK732B1H103K	0.01μ F ± 10%,50V	1	
C 34		AL ELECTLT CAP CE04C1A101A	100μ F ± 20%,10V	1	
C 35		CER CAP CK732B1H103K	0.01μ F ± 10%,50V	1	
C 36		CER CAP CS732E1D335M	3.3μ F ± 20%,20V	1	
C 37		CER CAP CS732E1D335M	3.3μ F ± 20%,20V	1	
C 38		CER CAP CS732E1D335M	3.3μ F ± 20%,20V	1	
C 39		CER CAP CS732E1D335M	3.3μ F ± 20%,20V	1	
C 40		CER CAP CK732B1H103K	0.01μ F ± 10%,50V	1	
C 41		CER CAP CK732B1H103K	0.01μ F ± 10%,50V	1	
C 42		CER CAP CK732B1H103K	0.01μ F ± 10%,50V	1	
C 43		AL ELECTLT CAP CE04C1C471A	470μ F ± 20%,16V	1	
C 44		AL ELECTLT CAP CE04C1C471A	470μ F ± 20%,16V	1	
C 45		AL ELECTLT CAP CE04C1E101A	100μ F ± 20%,25V	1	
C 46		CER CAP CK732B1H103K	0.01μ F ± 10%,50V	1	

Dep.

ANRITSU CORP.

Parts List of: A2-A3 FM-VCO

Ref. No.	Part Code	Description	Rating	Qty	Note
C 47		CER CAP CK732B1H103K	0.01μ F ± 10%,50V	1	
C 48		CER CAP CK732B1H103K	0.01μ F ± 10%,50V	1	
C 49		CER CAP CK732B1H103K	0.01μ F ± 10%,50V	1	
C 50		CER CAP CK732B1H103K	0.01μ F ± 10%,50V	1	
C 51		CER CAP CK732B1H103K	0.01μ F ± 10%,50V	1	
C 52		CER CAP CK732B1H103K	0.01μ F ± 10%,50V	1	
C 53		CER CAP CK732B1H103K	0.01μ F ± 10%,50V	1	
C 54		AL ELECTLT CAP CE04C1E101A	100μ F ± 20%,25V	1	
E 1		CHECK TERMINAL 00292		1	
J 1		PLUG DF1-10P2.5DSA	10P	1	
J 2		CABLE 00-8261-0249-00-870	2P	1	
J 3		CABLE 00-8261-0333-11-852	3P	1	
L 1		INDUCTOR NL453232-100K	10μ H, ± 10%	1	
L 2		INDUCTOR NL453232-100K	10μ H, ± 10%	1	
L 3		INDUCTOR NL453232-101K	100μ H, ± 10%	1	
L 4		INDUCTOR NL453232-220K	22μ H, ± 10%	1	
L 5		INDUCTOR 10K13M-75	0.35μ H	1	
L 6		INDUCTOR NL453232-100K	10μ H, ± 10%	1	
L 7		NOT ASSIGNED			

Dep.

ANRITSU CORP.

Parts List of: A2-A3 FM-VCO

Ref. No.	Part Code	Description	Rating	Qty	Note
L 8		INDUCTOR NL453232-100K	10μ H, ± 10%	1	
Q 1		TRANSISTOR 2SA812		1	
Q 2		IC NJM5532MD		1	
Q 3		IC NJU201AM		1	
Q 4		IC 74HC4094F		1	
Q 5		IC NJU201AM		1	
Q 6		IC NJM5532MD		1	
Q 7		DIODE MA1226		1	
Q 8		HYBRID IC MT-18		1	
Q 9		IC μ PC1652G		1	
Q 10		IC 74LS00F		1	
Q 11		NOT ASSIGNED			
Q 12		IC 74LS74F		1	
Q 13		IC 74LS00F		1	
Q 14		IC 74LS00F		1	
Q 15		IC PLL2001S		1	
Q 16		IC NJM5532MD		1	
Q 17		NOT ASSIGNED			
Q 18		IC 74HC4094F		1	
Q 19		IC NJU201AM		1	
Q 20		IC NJM5532MD		1	

Dep.

ANRITSU CORP.

Parts List of A2-A3 FM-VCO

Ref No.	Part Code	Description	Rating	Qty	Note
		DIODE			
		1S252			
		DIODE			
		ADSS123			
		CERMET RESISTOR	680Ω		
		RK73M2A681J	± 5%.1/10%		
		CERMET RESISTOR	180		
		RK73M2A181J	± 5%.1/10%		
		CERMET RESISTOR	2K		
		RK73M2A222J	± 5%.1/10%		
		METAL FILM RESISTOR	2K		
		RN73G2A202D	± 0.5%.1/10%		
		METAL FILM RESISTOR	2KΩ		
		RN73G2A102D	± 0.5%.1/10%		
		CERMET RESISTOR	270		
		RK73M2A			
		METAL FILM RESISTOR	1		
		RN73G2A120D			
		METAL FILM RESISTOR	1		
		RN73G2A122D			
		METAL FILM RESISTOR	3		
		RN73G2A301D			
		METAL FILM RESISTOR	150Ω		
		RN73G2A151D	± 0.5%		
		METAL FILM RESISTOR	1.0		
		RN73G2A512D	± 0.5%		
		METAL FILM RESISTOR	1.8KΩ		
		RN73G2A182D	± 0.5%		
		METAL FILM RESISTOR	1.8K		
		RN73G2A.82D	± 0.5%		
		METAL FILM RESISTOR	100		
		RN73G2A101D	± 0.5%		
		CERMET RESISTOR			
		RK73M2A102J			
		CERMET RESISTOR			
		RK73M2A101J	.1/10%		
		RESISTOR			
		1.	.1/10%		
		RESISTOR			
		RK73M2A103J			
		CERMET RESISTOR			
		RK73M2A390J			

Dep

ANRITSU CORP.

Parts List of A2-A3 FM-VCO

Ref No.	Part Code	Description	Rating	Qty	Note
		NOT ASSIGNED			
		NOT ASSIGNED			
R 20		CERMET RESISTOR	10Ω		
		RK73M2A100J	± 5%.1/10%	1	
R 24		CERMET RESISTOR	2.2KΩ		
		RK73M2A222J	± 5%.1/10%	1	
R 26		CERMET RESISTOR	2.2KΩ		
		RK73M2A222J	± 5%.1/10%	1	
R 27		CERMET RESISTOR	2.2KΩ		
		RK73M2A222J	± 5%.1/10%	1	
R 28		CERMET RESISTOR	2.2KΩ		
		RK73M2A222J	± 5%.1/10%	1	
R 29		NOT ASSIGNED			
R 30		CERMET RESISTOR	10KΩ		
		RK73M2A103J	± 5%.1/10%	1	
R 31		CERMET RESISTOR	680Ω		
		RK73M2A681J	± 5%.1/10%	1	
R 32		METAL FILM RESISTOR	10KΩ		
		RN73G2A103D	± 0.5%.1/10%	1	
R 33		NOT ASSIGNED			
R 34		NOT ASSIGNED			
R 35		NOT ASSIGNED			
R 36		CERMET RESISTOR	820Ω		
		RK73M2A821J	± 5%.1/10%	1	
R 37		VARIABLE RESISTOR	100Ω		
		RG6V101	1/2W	1	
R 38		VARIABLE RESISTOR	2KΩ		
		RG6H202	1/2W	1	
R 39		METAL FILM RESISTOR	6.8KΩ		
		RN73G2A682D	± 0.5%.1/10%	1	
R 40		METAL FILM RESISTOR	1KΩ		
		RN73G2A102D	± 0.5%.1/10%	1	
R 41		CERMET RESISTOR	10KΩ		
		RK73M2A103J	± 5%.1/10%	1	
R 42		CERMET RESISTOR	2.2KΩ		
		RK73M2A222J	± 5%.1/10%	1	
R 43		CERMET RESISTOR	470Ω		
		RK73M2A471J	± 5%.1/10%	1	
R 44		CERMET RESISTOR	4.7KΩ		
		RK73M2A472J	± 5%.1/10%	1	

Dep

ANRITSU CORP.

Parts List of A2-A3 FM-VCO

Ref No.	Part Code	Description	Rating	Qty	Note
		CERMET RESISTOR			
		RK73M2A123J			

Dep

ANRITSU CORP.

Parts List of A2-A3 FM-VCO

Ref No.	Part Code	Description	Rating	Qty	Note
			220μ F		
		CE04CW221M	± 20%.10V	1	
C 2		AL ELECTLT CAP	100μ F		
		CE04CW101A	± 20%.25V	1	
C 3		AL ELECTLT CAP	100μ F		
		CE04CW101A	± 20%.25V	1	
		NOT ASSIGNED			
		CER CAP	100p F		
		CC73GCH1H101J	5%.50V		
		CER CAP	0.01μ F		
		CK73B1H103K	± 10%.50V	1	
		NOT ASSIGNED			
		CER CAP	0.01μ F		
		CK73B1H103K	± 10%.50V	1	
		TA ELECTLT CAP	1μ F		
		CS73V1A105M	± 20%.35V	1	
			0.01μ F		
			10%.50V		
		CER CAP	0.01μ F		
		CK73B1H103K	± 10%.50V	1	
12		CER CAP	47000p F		
		CK73B1H473K	± 10%.50V	1	
		NOT ASSIGNED			
		CER CAP	4700p F		
		CK73B1H472K	± 10%.50V	1	
		NOT ASSIGNED			
		CER CAP	47000p F		
		CK73B1H473K	± 10%.50V	1	
		NOT ASSIGNED			
		TA ELECTLT CAP	4.7μ F		
		CS73E1C475M	± 20%.16V	1	
C 19		TA ELECTLT CAP	4.7μ F		
		CS73E1C475M	± 20%.16V	1	
C 20		CER CAP	0.01μ F		
		CK73B1H103K	± 10%.50V		
		CER CAP	0.1μ F		
		CK73B1H104K	± 10%.50V		
C 22		CER CAP	1000p F		
		CK73B1H102K	± 10%.50V		
		ES	0.01μ F		
			± 10%.50V		

Dep

ANRITSU CORP.

Parts List of: A2-A4 LF SYNTHE

Ref No.	Part Code	Description	Rating	Qty	Note
		CER CAP			
		CK732B1H102K			
		CER CAP			
		CK732B1H103K			
		CER CAP			
		CC732CH1H101J			
		CER CAP			
		CK732B1H203K			
		CER CAP			
		CK732B1H103K			
		CER CAP			
		CK732B1H103K			
		CER CAP			
		CC732CH1H151J			
		CER CAP	15 p		
		CC732CH1H151J			
		CER CAP	15 p		
		CC732CH1H151J			
		CER CAP	15 p		
		CC732CH1H151J			
		CER CAP	15 p		
		CC732CH1H151J			
		CER CAP			
		CC732CH1H151J			
		NOT ASSIGNED			
		AL ELECTLT CAP			
		CE04C1A221A			
		CER CAP			
		CK733B1H104K			
		AL ELECTLT CAP			
		CE04C1E331A			
		CER CAP			
		CK733B1H104K			
		CER CAP			
		CK732B1H472K			
		CER CAP			

Dep

ANRITSU CORP.

Parts List of: A2-A4 LF SYNTHE

Ref No.	Part Code	Description	Rating	Qty	Note
		CER CAP			
		CK732B1H103K			
		CER CAP			
		CK732B1H103K			
		CER CAP			
		CK732B1H472K			
		CER CAP			
		CK733B1H104K			
		CER CAP			
		CK732B1H472K			
		CER CAP			
		CK732B1H472K			
		CER CAP			
		CK732B1H103K			
		CER CAP			
		CK732B1H103K			
		CER CAP			
		CK732B1H472K			
		CER CAP			
		CK732B1H103K			
		NOT ASSIGNED			
		NOT ASSIGNED			
		CER CAP			
		CK732B1H103K			
		AL ELECTLT CAP			
		CE04C1A221A			
		CER CAP			
		CK732B1H103K			
		TA ELECTLT CAP			
		CS731E1E105M			
		TA ELECTLT CAP			
		CS731E1E105M			
		CER CAP			
		CK732B1H222K			
		CER CAP			
		CK732B1H103K			
		CER CAP			
		CK732B1H103K			
		CER CAP			
		CK733B1H473K			
		CER CAP			
		CK732B1H103K			
		CER CAP			
		CK732B1H472K			

Dep

ANRITSU CORP.

Parts List of: A2-A4 LF SYNTHE

Ref No.	Part Code	Description	Rating	Qty	Note
		CER CAP			
		CK732B1H103K			
		CER CAP			
		CK732B1H103K	10% 50V		
		NOT ASSIGNED			
		NOT ASSIGNED			
		NOT ASSIGNED			
		AL ELECTLT CAP			
		CE04C1E221A			
		AL ELECTLT CAP			
		CE04C1E221A			
		CER CAP			
		CK732B1H103K			
		CER CAP			
		CK732B1H102K			
		CER CAP			
		CK732B1H103K			
		CER CAP			
		CK732B1H103K			
		CER CAP			
		CK732B1H103K			
		CER CAP			
		CK732B1H103K			
		AL ELECTLT CAP			
		CE04C1E101A			
		CER CAP			
		CK732B1H103K			
		CER CAP			
		CK732B1H103K			
		CER CAP			
		CK732B1H103K			
		CER CAP			
		CK732B1H103K			
		CER CAP	0.01μ F		
		CK732B1H103K	± 10% 50V		
		CER CAP	1000p F		
		CK732B1H102K	± 10% 50V		
		CER CAP	0.01μ F		
		CK732B1H103K	- 10% 50V		

Dep

ANRITSU CORP.

Parts List of: A2-A4 LF SYNTHE

Ref No.	Part Code	Description	Rating	Qty	Note
		CER CAP			
		CC732CH1H101J			
94		CER CAP			
		CK732B1H103K			
			0.01μ F		
			10% 50V		
C 105		CK732B1H103K			
		CER CAP			
C 106		CK732B1H103K			
		CER CAP			
C 107		CK732B1H103K			
		CER CAP			
		CC732CH1H151J			
C		CER CAP			
		CC732CH1H151J			
C 109		TA ELECTLT CAP			
		CS731E1V474M			
C 110		CER CAP			
		CC732CH1H390J			
C 111		CER CAP			
		CC732CH1H390J			
C 112		NOT ASSIGNED			
C 113		NOT ASSIGNED			
.14		NOT ASSIGNED			
.15		NOT ASSIGNED			

Dep

ANRITSU CORP.

Parts List of: A2-A4 LF SYNTHE

Ref. No.	Part Code	Description	Rating	Qty	Note
C 116		NOT ASSIGNED			
C 117		NOT ASSIGNED			
C 118		NOT ASSIGNED			
119		NOT ASSIGNED			
C 120		CER CAP	1000p F		
		CK732B1H102K	± 10%,50V	1	
C 121		CER CAP	33p F		
		CC732CH1H330J	- 5%,50V	1	
C 122		CER CAP	68p F		
		CC732CH1H680J	- 5%,50V	1	
C 123		CER CAP	33p F		
		CC732CH1H330J	- 5%,50V	1	
C 124		CER CAP	33p F		
		CC732CH1H330J	- 5%,50V	1	
C 125		CER CAP	22p F		
		CC732CH1H220J	- 5%, 0%		
C 126		CER CAP	68p F		
		CC732CH1H680J	- 5%,50V	1	
C 127		CER CAP	33p F		
		CC732CH1H330J	± 5%,50V	1	
C 128		CER CAP	2200p F		
		CK732B1H222K	- 10%,50V	1	
C 129		CER CAP	0.01μ F		
		CK732B1H103K	- 10%,50V	1	
130		CER CAP	0.01μ F		
		CK732B1H103K	- 10%,50V	1	
C 131		CER CAP	0.01μ F		
		CK732B1H103K	- 10%,50V	1	
132		CER CAP	0.01μ F		
		CK732B1H103K	- 10%,50V	1	
C 133		CER CAP	0.01μ F		
		CK732B1H103K	- 10%,50V	1	
134		CER CAP	0.01μ F		
		CK732B1H103K	- 10%,50V	1	
135		CER CAP	0.01μ F		
		CK732B1H103K	- 10%,50V	1	
C 136		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 137		CER CAP	0.01μ F		
		CK732B1H103K	- 10%,50V	1	
C 138		CER CAP	0.01μ F		
		CK732B1H103K	- 10%,50V	1	

Dep

* Selected at factory

Parts List of: A2-A4 LF SYNTHE

Ref. No.	Part Code	Description	Rating	Qty	Note
C 139		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 140		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 141		AL ELECTLT CAP	47μ F		
		CE04C1E470A	- 20%,25V	1	
C 142		CER CAP	0.01μ F		
		CK732B1H103K	- 10%,50V	1	
E 1		CHECK TERMINAL			
		00292		1	
E 2		CHECK TERMINAL			
		00292		1	
L 1		INDUCTOR	100μ H		
		TSL0707-101KR66		1	
L 2		INDUCTOR	100μ H		
		TSL0707-101KR66		1	
L 3		INDUCTOR	100μ H		
		TSL0707-101KR66		1	
L 4		NOT ASSIGNED			
L 5		INDUCTOR	1.0μ H, - 10%		
		NL453232-1R0K		1	
L 6		INDUCTOR			
		10K13-35T		1	
L 7		INDUCTOR	10μ H, - 10%		
		NL453232-100K		1	
L 8		NOT ASSIGNED			
L 9		NOT ASSIGNED			
L 10		NOT ASSIGNED			
L 11		INDUCTOR	100μ H		
		TSL0707-101KR66		1	
L 12		INDUCTOR	22μ H, ± 10%		
		NL453232-220K		1	
L 13		INDUCTOR	22μ H, - 10%		
		NL453232-220K		1	
L 14		INDUCTOR	22μ H, - 10%		
		NL453232-220K		1	
L 15		INDUCTOR	22μ H, - 10%		
		NL453232-220K		1	

Dep

* Selected at factory

Parts List of: A2-A4 LF SYNTHE

Ref. No.	Part Code	Description	Rating	Qty	Note
16		INDUCTOR	6.8μ H, - 10%		
		SP0408-6R8K		1	
L 17		INDUCTOR			
		10K13-45T		1	
L 18		INDUCTOR	6.8μ H, - 10%		
		SP0408-6R8K		1	
L 19		INDUCTOR			
		10K13-45T		1	
L 20		INDUCTOR	0.1μ H		
		NL322522-R10K			
21		INDUCTOR	0.1μ H		
		NL322522-R10K		1	
22		INDUCTOR	10μ H, - 10%		
		NL453232-100K			
L 23		INDUCTOR	0.47μ H, - 10%		
		NL322522-R47K		1	
L 24		NOT ASSIGNED			
L 25		INDUCTOR	0.68μ H, - 10%		
		NL322522-R68K		1	
L 26		INDUCTOR	0.68μ H, - 10%		
		NL322522-R68K		1	
L 27		INDUCTOR	0.68μ H, - 10%		
		NL322522-R68K		1	
L 28		INDUCTOR	0.68μ H, - 10%		
		NL322522-R68K		1	
29		INDUCTOR	0.15μ H, - 10%		
		NL322522-R15K		1	
L 30		INDUCTOR	0.15μ H, - 10%		
		NL322522-R15K		1	
L 31		INDUCTOR	0.22μ H, ± 10%		
		NL322522-R22K		1	
L 32		INDUCTOR	0.22μ H, ± 10%		
		NL322522-R22K		1	
Q 1		IC			
		74HC14F		1	
Q 2		IC			
		74HC04F		1	
Q 3		IC			
		PLL2001S		1	
Q 4		IC			
		NJM5532MD		1	
Q 5		DIODE			
		A1SS123		1	

Dep

* Selected at factory

Parts List of: A2-A4 LF SYNTHE

Ref. No.	Part Code	Description	Rating	Qty	Note
Q 6		HYBRID IC			
		MT-18		1	
Q 7		DIODE			
		1SV166		1	
Q 8		DIODE			
		1SV166		1	
Q 9		DIODE			
		1SV166		1	
Q 10		IC			
		μ PC1652G		1	
Q 11		IC			
		74AS00F		1	
Q 12		IC			
		74AS74F		1	
Q 13		IC			
		74HC390F		1	
Q 14		IC			
		74LS74F		1	
Q 15		NOT ASSIGNED			
Q 16		NOT ASSIGNED			
Q 17		NOT ASSIGNED			
Q 18		NOT ASSIGNED			
Q 19		NOT ASSIGNED			
Q 20		NOT ASSIGNED			
Q 21		IC			
		74HC4094F		1	
Q 22		NOT ASSIGNED			
Q 23		NOT ASSIGNED			
Q 24		IC			
		PLL2001S		1	
Q 25		IC			
		NJM5532MD		1	
Q 26		IC			
		NJM5532MD		1	
Q 27		DIODE			
		A1SS123		1	
Q 28		DIODE			
		1SV166		1	

Dep

* Selected at factory

Parts List of: A2-A4 LF SYNTHE

Ref No.	Part Code	Description	Rating	Qty	Note
Q	29	DIODE 1SV166		1	
Q	30	DIODE 1SV166		1	
Q	31	HYBRID IC MT-18		1	
Q	32	DIODE 1SV128A		1	
Q	33	DIODE 1SV128A		1	
Q	34	DIODE 1SV166		1	
Q	35	DIODE 1SV166		1	
Q	36	DIODE 1SV166		1	
Q	37	HYBRID IC MT-18			
Q	38	DIODE 1SV128A			
Q	39	DIODE 1SV128A		1	
Q	40	IC μPC1652G		1	
Q	41	IC NJL201AM		1	
Q	42	IC 74AS00F			
Q	43	IC 74AS00F			
Q	44	IC μPC1652G		1	
Q	45	IC 74AS74F		1	
Q	46	TRANSISTOR 2SA812		1	
Q	47	DIODE 1SV128A		1	
Q	48	DIODE 1SV128A			
Q	49	DIODE 1SV128A		1	
Q	50	DIODE 1SV128A		1	

Dep

DRAWING No.34W99300

ANRITSU CORP.

Parts List of: A2-A4 LF SYNTHE

Ref No.	Part Code	Description	Rating	Qty	Note
R	1	CERMET RESISTOR RK73M2A104J	100KΩ ± 5%,1/10W	1	
R	2	CERMET RESISTOR RK73M2A222J	2.2KΩ ± 5%,1/10W	1	
R	3	CERMET RESISTOR RK73M2A222J	2.2KΩ ± 5%,1/10W	1	
R	4	CERMET RESISTOR RK73M2A333J	33KΩ ± 5%,1/10W	1	
R	5	CERMET RESISTOR RK73M2A333J	33KΩ ± 5%,1/10W	1	
R	6	NOT ASSIGNED			
R	7	CERMET RESISTOR RK73M2A332J	3.3KΩ ± 5%,1/10W	1	
R	8	CERMET RESISTOR RK73M2A822J	8.2KΩ ± 5%,1/10W	1	
R	9	CERMET RESISTOR RK73M2A103J	10KΩ ± 5%,1/10W	1	
R	10	CERMET RESISTOR RK73M2A471J	470Ω ± 5%,1/10W	1	
R	11	CERMET RESISTOR RK73M2A103J	10KΩ ± 5%,1/10W	1	
R	12	CERMET RESISTOR RK73M2A102J	1KΩ ± 5%,1/10W	1	
R	13	CERMET RESISTOR RK73M2A103J	10KΩ ± 5%,1/10W	1	
R	14	CERMET RESISTOR RK73M2A104J	100KΩ ± 5%,1/10W	1	
R	15	CERMET RESISTOR RK73M2A101J	100Ω ± 5%,1/10W	1	
R	16	CERMET RESISTOR RK73M2A101J	100Ω ± 5%,1/10W	1	
R	17	CERMET RESISTOR RK73M2A103J	10KΩ ± 5%,1/10W	1	
R	18	CERMET RESISTOR RK73M2A472J	4.7KΩ ± 5%,1/10W	1	
R	19	NOT ASSIGNED			
R	20	NOT ASSIGNED			
R	21	NOT ASSIGNED			
R	22	NOT ASSIGNED			
R	23	NOT ASSIGNED			

Dep

DRAWING No.34W99300

ANRITSU CORP.

Parts List of: A2-A4 LF SYNTHE

Ref No.	Part Code	Description	Rating	Qty	Note
R	24	NOT ASSIGNED			
R	25	NOT ASSIGNED			
R	26	NOT ASSIGNED			
R	27	NOT ASSIGNED			
R	28	NOT ASSIGNED			
R	29	NOT ASSIGNED			
R	30	NOT ASSIGNED			
R	31	CERMET RESISTOR RK73M2A681J	680Ω ± 5%,1/10W	1	
R	32	CERMET RESISTOR RK73M2A221J	220Ω ± 5%,1/10W	1	
R	33	CERMET RESISTOR RK73M2A680J	68Ω ± 5%,1/10W	1	
R	34	CERMET RESISTOR RK73M2A151J	150Ω ± 5%,1/10W	1	
R	35	CERMET RESISTOR RK73M2A390J	39Ω ± 5%,1/10W	1	
R	36	CERMET RESISTOR RK73M2A151J	150Ω ± 5%,1/10W	1	
R	37	CERMET RESISTOR RK73M2A221J	220Ω ± 5%,1/10W	1	
R	38	CERMET RESISTOR RK73M2A680J	680Ω ± 5%,1/10W	1	
R	39	CERMET RESISTOR RK73M2A151J	150Ω ± 5%,1/10W	1	
R	40	CERMET RESISTOR RK73M2A390J	39Ω ± 5%,1/10W	1	
R	41	CERMET RESISTOR RK73M2A151J	150Ω ± 5%,1/10W	1	
R	42	NOT ASSIGNED			
R	43	CERMET RESISTOR RK73M2A100J	10Ω ± 5%,1/10W	1	
R	44	CERMET RESISTOR RK73M2A473J	47KΩ ± 5%,1/10W	1	
R	45	CERMET RESISTOR RK73M2A472J	4.7KΩ ± 5%,1/10W	1	
R	46	CERMET RESISTOR RK73M2A472J	4.7KΩ ± 5%,1/10W	1	

Dep

DRAWING No.34W99300

ANRITSU CORP.

Parts List of: A2-A4 LF SYNTHE

Ref No.	Part Code	Description	Rating	Qty	Note
R	47	CERMET RESISTOR RK73M2A103J	10KΩ ± 5%,1/10W	1	
R	48	CERMET RESISTOR RK73M2A103J	10KΩ ± 5%,1/10W		
R	49	CERMET RESISTOR RK73M2A102J	1KΩ ± 5%,1/10W	1	
R	50	CERMET RESISTOR RK73M2A272J	2.7KΩ ± 5%,1/10W		
R	51	CERMET RESISTOR RK73M2A822J	8.2KΩ ± 5%,1/10W	1	
R	52	CERMET RESISTOR RK73M2A103J	10KΩ ± 5%,1/10W		
R	53	NOT ASSIGNED			
R	54	NOT ASSIGNED			
R	55	NOT ASSIGNED			
R	56	NOT ASSIGNED			
R	57	CERMET RESISTOR RK73M2A473J	47KΩ ± 5%,1/10W	1	
R	58	CERMET RESISTOR RK73M2A223J	22KΩ ± 5%,1/10W	1	
R	59	CERMET RESISTOR RK73M2A121J	120Ω ± 5%,1/10W		
R	60	CERMET RESISTOR RK73M2A103J	10K ± 5%,1/10W	1	
R	61	CERMET RESISTOR RK73M2A100J	10Ω ± 5%,1/10W	1	
R	62	CERMET RESISTOR RK73M2A102J	1KΩ ± 5%,1/10W	1	
R	63	CERMET RESISTOR RK73M2A103J	10KΩ ± 5%,1/10W	1	
R	64	CERMET RESISTOR RK73M2A472J	4.7KΩ ± 5%,1/10W	1	
R	65	CERMET RESISTOR RK73M2A103J	10KΩ ± 5%,1/10W	1	
R	66	CERMET RESISTOR RK73M2A101J	100Ω ± 5%,1/10W	1	
R	67	CERMET RESISTOR RK73M2A102J	1KΩ ± 5%,1/10W	1	
R	68	CERMET RESISTOR RK73M2A470J	47Ω ± 5%,1/10W	1	
R	69	CERMET RESISTOR RK73M2A101J	100Ω ± 5%,1/10W	1	

Dep.

DRAWING No.34W99300

ANRITSU CORP.

Parts List of: A2-A4 LF SYNTHE

Ref. No.	Part Code	Description	Rating	Qty	Note
R 70		CERMET RESISTOR	47KΩ		
		RK73M2A473J	± 5%,1/10W	1	
R 71		CERMET RESISTOR	220Ω		
		RK73M2A221J	± 5%,1/10W	1	
R 72		CERMET RESISTOR	47KΩ		
		RK73M2A473J	± 5%,1/10W	1	
R 73		CERMET RESISTOR	220Ω		
		RK73M2A221J	± 5%,1/10W	1	
R 74		CERMET RESISTOR	4.7KΩ		
		RK73M2A472J	± 5%,1/10W	1	
R 75		CERMET RESISTOR	470Ω		
		RK73M2A471J	± 5%,1/10W	1	
R 76		CERMET RESISTOR	51Ω		
		RK73M2A510J	± 5%,1/10W	1	
R 77		CERMET RESISTOR	330Ω		
		RK73M2A331J	± 5%,1/10W	1	
R 78		CERMET RESISTOR	15Ω		
		RK73M2A150J	± 5%,1/10W	1	
R 79		CERMET RESISTOR	330Ω		
		RK73M2A331J	± 5%,1/10W	1	
R 80		CERMET RESISTOR	330Ω		
		RK73M2A331J	± 5%,1/10W	1	
R 81		CERMET RESISTOR	15Ω		
		RK73M2A150J	± 5%,1/10W		
R 82		CERMET RESISTOR	330Ω		
		RK73M2A331J	± 5%,1/10W	1	
R 83		CERMET RESISTOR	15Ω		
		RK73M2A150J	± 5%,1/10W	1	
R 84		CERMET RESISTOR	15Ω		
		RK73M2A150J	± 5%,1/10W	1	
R 85		CERMET RESISTOR	15Ω		
		RK73M2A150J	± 5%,1/10W		
R 86		CERMET RESISTOR	470Ω		
		RK73M2A470J	± 5%,1/10W		
R 87		CERMET RESISTOR	100Ω		
		RK73M2A101J	± 5%,1/10W	1	
R 88		CERMET RESISTOR	470Ω		
		RK73M2A471J	± 5%,1/10W	1	
R 89		CERMET RESISTOR	470Ω		
		RK73M2A471J	± 5%,1/10W	1	
R 90		CERMET RESISTOR	470Ω		
		RK73M2A471J	± 5%,1/10W	1	
R 91		CERMET RESISTOR	470Ω		
		RK73M2A471J	± 5%,1/10W		
R 92		CERMET RESISTOR	47Ω		
		RK73M2A470J	± 5%,1/10W	1	

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* Selected at factory

DRAWING No 34W99300 13/15

ANRITSU CORP.

Parts List of: A2-A4 LF SYNTHE

Ref. No.	Part Code	Description	Rating	Qty	Note
R 93		NOT ASSIGNED			
R 94		CERMET RESISTOR	10Ω		
		RK73M2A100J	± 5%,1/10W	1	
Z 1		MIXER			
		M-8		1	
Z 2		MIXER			
		M-8		1	
Z 3		90° HYBRID			
		PDQ-5H1-8P	40 TO 80MHZ	1	

Dep

* Selected at factory

DRAWING No 34W99300 14/15

ANRITSU CORP.

Parts List of: A2-A5 20MHZ STEP

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Ref. No.	Part Code	Description	Rating	Qty	Note
C 1		NOT ASSIGNED			
C 2		AL ELECTLT CAP	470μ F		
		CE04C1A471A	20%,10V	1	
C 3		AL ELECTLT CAP	330μ F		
		CE04C1E331A	20%,25V	1	
C 4		AL ELECTLT CAP	330μ F		
		CE04C1E331A	20%,25V	1	
C 5		AL ELECTLT CAP	47μ F		
		CE04C1H470A	20%,50V	1	
C 6		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 7		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V		
C 8		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 9		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 10		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 11		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 12		NOT ASSIGNED			
C 13		NOT ASSIGNED			
C 14		NOT ASSIGNED			
C 15		NOT ASSIGNED			
C 16		NOT ASSIGNED			
C 17		NOT ASSIGNED			
C 18		NOT ASSIGNED			
C 19		NOT ASSIGNED			
C 20		AL ELECTLT CAP	100μ F		
		CE04C1A101A	± 20%,10V	1	
C 21		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 22		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 23		NOT ASSIGNED			

Dep

* Selected at factory

DRAWING No 34W99301 1/35

ANRITSU CORP.

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
C 24		CER CAP	330p F		
		CC732CH1H330J	± 5%,50V	1	
C 25		CER CAP	330p F		
		CC732CH1H331J	± 5%,50V	1	
C 26		NOT ASSIGNED			
C 27		CER CAP	470p F		
		CC732CH1H471J	± 5%,50V	1	
C 28		CER CAP	330p F		
		CC732CH1H330J	± 5%,50V	1	
C 29		CER CAP	330p F		
		CC732CH1H331J	± 5%,50V	1	
C 30		NOT ASSIGNED			
C 31		CER CAP	470p F		
		CC732CH1H471J	± 5%,50V	1	
C 32		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 33		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 34		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 35		CER CAP	330p F		
		CC732CH1H331J	± 5%,50V	1	
C 36		NOT ASSIGNED			
C 37		CER CAP	470p F		
		CC732CH1H471J	± 5%,50V	1	
C 38		CER CAP	330p F		
		CC732CH1H330J	± 5%,50V	1	
C 39		CER CAP	330p F		
		CC732CH1H331J	± 5%,50V	1	
C 40		NOT ASSIGNED			
C 41		CER CAP	470p F		
		CC732CH1H471J	± 5%,50V	1	
C 42		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 43		NOT ASSIGNED			
C 44		NOT ASSIGNED			
C 45		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 46		CER CAP	82p F		
		CC732CH1H820J	± 5%,50V	1	

Dep

* Selected at factory

DRAWING No 34W99301 2/35

ANRITSU CORP.

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
C 47		CER CAP	150p F		
	CC732CH1H151J		± 5%,50V	1	
C 48		CER CAP	82p F		
	CC732CH1H820J		± 5%,50V	1	
C 49		CER CAP	22p F		
	CC732CH1H220J		± 5%,50V	1	
C 50		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 51		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 52		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 53		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 54		NOT ASSIGNED			
C 55		AL ELECTLT CAP	100μ F		
	CE04C1A101A		± 20%,10V	1	
C 56		AL ELECTLT CAP	220μ F		
	CE04C1A221A		± 20%,10V	1	
C 57		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 58		CER CAP	470p F		
	CC732CH1H471J		± 5%,50V	1	
C 59		CER CAP	470p F		
	CC732CH1H471J		± 5%,50V	1	
C 60		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 61		CER CAP	100p F		
	CC732CH1H101J		± 5%,50V	1	
C 62		CER CAP	100p F		
	CC732CH1H101J		± 5%,50V	1	
C 63		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 64		CER CAP	1000p F		
	CK732B1H102K		± 10%,50V	1	
C 65		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 66		CER CAP	1000p F		
	CK732B1H102K		± 10%,50V	1	
C 67		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 68		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 69		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	

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ANRITSU CORP.

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
C 70		NOT ASSIGNED			
C 71		AL ELECTLT CAP	33μ F		
	CE04C1V330A		20%,35V	1	
C 72		AL ELECTLT CAP	47μ F		
	CE04C1E470A		20%,25V	1	
C 73		NOT ASSIGNED			
C 74		NOT ASSIGNED			
C 75		NOT ASSIGNED			
C 76		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 77		AL ELECTLT CAP	100μ F		
	CE04C1E101A		± 20%,25V	1	
C 78		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 79		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 80		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 81		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 82		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 83		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 84		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 85		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 86		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 87		CER CAP	12p F		
	CC732CH1H120J		± 5%,50V	1	
C 88		CER CAP	56p F		
	CC732CH1H560J		± 5%,50V	1	
C 89		CER CAP	5p F,50V		
	CC732CH1H050D		± 0.5p F	1	
C 90		CER CAP	5p F,50V		
	CC732CH1H050D		± 0.5p F	1	
C 91		CER CAP	5p F,50V		
	CC732CH1H050D		± 0.5p F	1	
C 92		NOT ASSIGNED			

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ANRITSU CORP.

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
C 93		NOT ASSIGNED			
C 94		NOT ASSIGNED			
C 95		NOT ASSIGNED			
C 96		CER CAP	2p F,50V		
	CC732CK1H020C		± 0.25p F	1	
C 97		CER CAP	2p F,50V		
	CC732CK1H020C		± 0.25p F	1	
C 98		CER CAP	100p F		
	CC732CH1H101J		± 5%,50V	1	
C 99		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 100		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 101		CER CAP	100p F		
	CC732CH1H101J		± 5%,50V	1	
C 102		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 103		CER CAP	1000p F		
	CK732B1H102K		± 10%,50V	1	
C 104		NOT ASSIGNED			
C 105		NOT ASSIGNED			
C 106		NOT ASSIGNED			
C 107		NOT ASSIGNED			
C 108		NOT ASSIGNED			
C 109		NOT ASSIGNED			
C 110		NOT ASSIGNED			
C 111		NOT ASSIGNED			
C 112		NOT ASSIGNED			
C 113		NOT ASSIGNED			
C 114		NOT ASSIGNED			
C 115		NOT ASSIGNED			

Dep.

* Selected at factory

DRAWING # 34W99301

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ANRITSU CORP.

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
C 116		NOT ASSIGNED			
C 117		NOT ASSIGNED			
C 118		NOT ASSIGNED			
C 119		NOT ASSIGNED			
C 120		NOT ASSIGNED			
C 121		CER CAP	15p F		
	CC732CH1H150J		± 5%,50V	1	
C 122		CER CAP	15p F		
	CC732CH1H150J		± 5%,50V	1	
C 123		CER CAP	1000p F		
	CK732B1H102K		± 10%,50V	1	
C 124		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 125		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 126		CER CAP	1000p F		
	CK732B1H102K		± 10%,50V	1	
C 127		CER CAP	15p F		
	CC732CH1H150J		± 5%,50V	1	
C 128		CER CAP	15p F		
	CC732CH1H150J		± 5%,50V	1	
C 129		NOT ASSIGNED			
C 130		NOT ASSIGNED			
C 131		CER CAP	1000p F		
	CK732B1H102K		± 10%,50V	1	
C 132		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 133		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 134		CER CAP	100p F		
	CC732CH1H101J		± 5%,50V	1	
C 135		CER CAP	1000p F		
	CK732B1H102K		± 10%,50V	1	
C 136		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 137		CER CAP	1000p F		
	CK732B1H102K		± 10%,50V	1	
C 138		NOT ASSIGNED			

Dep.

* Selected at factory

DRAWING # 34W99301

ANRITSU CORP.

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
C 139		NOT ASSIGNED			
C 140		NOT ASSIGNED			
C 141		CER CAP	12p F		
	CC732CH1H120J	± 5%,50V		1	
C 142		CER CAP	12p F		
	CC732CH1H120J	± 5%,50V		1	
C 143		CER CAP	1p F,50V		
	CC732CK1H010C	± 0.25p F		1	
C 144		CER CAP	100p F		
	CC732CH1H101J	± 5%,50V		1	
C 145		CER CAP	100p F		
	CC732CH1H101J	± 5%,50V		1	
C 146		NOT ASSIGNED			
C 147		CER CAP	0.01μ F		
	CK732B1H103K	± 10%,50V		1	
C 148		CER CAP	0.01μ F		
	CK732B1H103K	± 10%,50V		1	
C 149		CER CAP	100p F		
	CC732CH1H101J	± 5%,50V		1	
C 150		CER CAP	100p F		
	CC732CH1H101J	± 5%,50V		1	
C 151		CER CAP	100p F		
	CC732CH1H101J	± 5%,50V		1	
C 152		CER CAP	100p F		
	CC732CH1H101J	± 5%,50V		1	
C 153		CER CAP	100p F		
	CC732CH1H101J	± 5%,50V		1	
C 154		CER CAP	100p F		
	CC732CH1H101J	± 5%,50V		1	
C 155		CER CAP	2p F,50V		
	CC732CK1H020C	± 0.25p F		1	
C 156		CER CAP	2p F,50V		
	CC732CK1H020C	± 0.25p F		1	
C 157		NOT ASSIGNED			
C 158		CER CAP	0.01μ F		
	CK732B1H103K	± 10%,50V		1	
C 159		CER CAP	100p F		
	CC732CH1H101J	± 5%,50V		1	
C 160		CER CAP	2p F,50V		
	CC732CK1H020C	± 0.25p F		1	
161		CER CAP	2p F,50V		
	CC732CK1H020C	± 0.25p F		1	

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DRAWING № 34W99301

ANRITSU CORP.

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
C 182		CER CAP	27p F		
	CC732CH1H270J	± 5%,50V		1	
C 183		CER CAP	2p F,50V		
	CC732CK1H020C	± 0.25p F		1	
C 184		AL ELECTLT CAP	100μ F		
	CE04C1A101A	± 20%,10V		1	
C 185		CER CAP	100p F		
	CC732CH1H101J	± 5%,50V		1	
C 186		NOT ASSIGNED			
C 187		CER CAP	4p F,50V		
	CC732CH1H040D	± 0.5p F		1	
C 188		CER CAP	0.01μ F		
	CK732B1H103K	± 10%,50V		1	
C 189		CER CAP	3p F,50V		
	CC732CJ1H030C	± 0.25p F		1	
C 190		CER CAP	5p F,50V		
	CC732CH1H050D	± 0.5p F		1	
C 191		CER CAP	100p F		
	CC732CH1H101J	± 5%,50V		1	
C 192		CER CAP	100p F		
	CC732CH1H101J	± 5%,50V		1	
C 193		NOT ASSIGNED			
C 194		CER CAP	0.01μ F		
	CK732B1H103K	± 10%,50V		1	
C 195		CER CAP	0.01μ F		
	CK732B1H103K	± 10%,50V		1	
C 196		CER CAP	1000p F		
	CK732B1H102K	± 10%,50V		1	
C 197		CER CAP	1000p F		
	CK732B1H102K	± 10%,50V		1	
C 198		CER CAP	1000p F		
	CK732B1H102K	± 10%,50V		1	
C 199		CER CAP	1000p F		
	CK732B1H102K	± 10%,50V		1	
C 200		CER CAP	1000p F		
	CK732B1H102K	± 10%,50V		1	
C 201		CER CAP	1000p F		
	CK732B1H102K	± 10%,50V		1	
C 202		CER CAP	1000p F		
	CK732B1H102K	± 10%,50V		1	
C 203		CER CAP	3p F,50V		
	CC732CJ1H030C	± 0.25p F		1	
C 204		CER CAP	3p F,50V		
	CC732CJ1H030C	± 0.25p F		1	
C 205		CER CAP	5p F,50V		
	CC732CH1H050D	± 0.5p F		1	
C 206		CER CAP	100p F		
	CC732CH1H101J	± 5%,50V		1	
C 207		CER CAP	100p F		
	CC732CH1H101J	± 5%,50V		1	

Dep

* Selected at factory

DRAWING № 34W99301 5/39

ANRITSU CORP.

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
C 208		CER CAP	100p F		
		[illegible]	[illegible]	1	
C 209		CER CAP	100p F		
		[illegible]	5%,50V	1	
C 210		CER CAP	100p F		
	CC732CH1H101J	± 5%,50V		1	
C 211		CER CAP	0.01μ F		
	CK732B1H103K	± 10%,50V		1	
C 212		CER CAP	0.01μ F		
	CK732B1H103K	± 10%,50V		1	
C 213		CER CAP	0.01μ F		
	CK732B1H103K	± 10%,50V		1	
C 214		CER CAP	0.01μ F		
	CK732B1H103K	± 10%,50V		1	
C 215		CER CAP	0.01μ F		
	CK732B1H103K	± 10%,50V		1	
C 216		CER CAP	1000p F		
	CK732B1H102K	± 10%,50V		1	
C 217		CER CAP	1000p F		
	CK732B1H102K	± 10%,50V		1	
C 218		CER CAP	1000p F		
	CK732B1H102K	± 10%,50V		1	
C 219		CER CAP	1000p F		
	CK732B1H102K	± 10%,50V		1	
C 220		CER CAP	1000p F		
	CK732B1H102K	± 10%,50V		1	
C 221		CER CAP	1000p F		
	CK732B1H102K	± 10%,50V		1	
C 222		CER CAP	1000p F		
	CK732B1H102K	± 10%,50V		1	
C 223		NOT ASSIGNED			
C 224		NOT ASSIGNED			
C 225		NOT ASSIGNED			
C 226		NOT ASSIGNED			
C 227		NOT ASSIGNED			
C 228		NOT ASSIGNED			
C 229		NOT ASSIGNED			
C 230		NOT ASSIGNED			

Dep

* Selected at factory

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ANRITSU CORP.

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
C 231		CER CAP	5p F,50V		
	CC732CH1H050D		± 0.5p F	1	
C 232		NOT ASSIGNED			
C 233		NOT ASSIGNED			
C 234		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 235		CER CAP	100p F		
	CC732CH1H101J		± 5%,50V	1	
C 236		CER CAP	5p F,50V		
	CC732CH1H050D		± 0.5p F	1	
C 237		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 238		CER CAP	100p F		
	CC732CH1H101J		± 5%,50V	1	
C 239		CER CAP	1p F,50V		
	CC732CK1H010C		± 0.25p F	1	
C 240		CER CAP	5p F,50V		
	CC732CH1H050D		± 0.5p F	1	
C 241		CER CAP	3p F,50V		
	CC732CJ1H030C		± 0.25p F	1	
C 242		CER CAP	2p F,50V		
	CC732CK1H020C		± 0.25p F	1	
C 243		NOT ASSIGNED			
C 244		NOT ASSIGNED			
C 245		NOT ASSIGNED			
C 246		NOT ASSIGNED			
C 247		NOT ASSIGNED			
C 248		NOT ASSIGNED			
C 249		NOT ASSIGNED			
C 250		NOT ASSIGNED			
C 251		NOT ASSIGNED			
C 252		CER CAP	3p F,50V		
	CC732CJ1H030C		± 0.25p F	1	
C 253		CER CAP	3p F,50V		
	CC732CJ1H030C		± 0.25p F	1	

Dep

* Selected at factory

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ANRITSU CORP.

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
C 254		CER CAP	100p F		
	CC732CH1H101J		± 5%,50V	1	
C 255		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 256		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 257		CER CAP	100p F		
	CC732CH1H101J		± 5%,50V	1	
C 258		CER CAP	3p F,50V		
	CC732CJ1H030C		± 0.25p F	1	
C 259		CER CAP	3p F,50V		
	CC732CJ1H030C		± 0.25p F	1	
C 260		CER CAP	100p F		
	CC732CH1H101J		± 5%,50V	1	
C 261		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 262		CER CAP	100p F		
	CC732CH1H101J		± 5%,50V	1	
C 263		CER CAP	2p F,50V		
	CC732CK1H020C		± 0.25p F	1	
C 264		CER CAP	2p F,50V		
	CC732CK1H020C		± 0.25p F	1	
C 265		CER CAP	12p F		
	CC732CH1H120J		± 5%,50V	1	
C 266		NOT ASSIGNED			
C 267		NOT ASSIGNED			
C 268		NOT ASSIGNED			
C 269		NOT ASSIGNED			
C 270		NOT ASSIGNED			
C 271		CER CAP	27p F		
	CC732CH1H270J		± 5%,50V	1	
C 272		CER CAP	12p F		
	CC732CH1H120J		± 5%,50V	1	
C 273		CER CAP	1000p F		
	CK732B1H102K		± 10%,50V	1	
C 274		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 275		CER CAP	1000p F		
	CK732B1H102K		± 10%,50V	1	
C 276		CER CAP	12p F		
	CC732CH1H120J		± 5%,50V	1	

Dep

* Selected at factory

DRAWING № 34W99301

ANRITSU CORP.

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
C 277		CER CAP	27p F		
	CC732CH1H270J		± 5%,50V	1	
C 278		NOT ASSIGNED			
C 279		NOT ASSIGNED			
C 280		NOT ASSIGNED			
C 281		CER CAP	5p F,50V		
	CC732CH1H050D		± 0.5p F	1	
C 282		CER CAP	5p F,50V		
	CC732CH1H050D		± 0.5p F	1	
C 283		CER CAP	5p F,50V		
	CC732CH1H050D		± 0.5p F	1	
C 284		CER CAP	5p F,50V		
	CC732CH1H050D		± 0.5p F	1	
C 285		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 286		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 287		CER CAP	0.22μ F		
	CK737B1H224K		± 10%,50V	1	
C 288		CER CAP	6p F,50V		
	CC732CH1H060D		± 0.5p F	1	
C 289		CER CAP	4p F,50V		
	CC732CH1H040D		± 0.5p F	1	
C 290		CER CAP	1p F,50V		
	CC732CK1H010C		± 0.25p F	1	
C 291		CER CAP	1p F,50V		
	CC732CK1H010C		± 0.25p F	1	
C 292		NOT ASSIGNED			
C 293		NOT ASSIGNED			
C 294		NOT ASSIGNED			
C 295		NOT ASSIGNED			
C 296		NOT ASSIGNED			
C 297		NOT ASSIGNED			
C 298		NOT ASSIGNED			
C 299		NOT ASSIGNED			

Dep

* Selected at factory

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ANRITSU CORP.

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
C 300		NOT ASSIGNED			
C 301		CER CAP	1000p F		
	CK732B1H102K		± 10%,50V	1	
C 302		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 303		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 304		CER CAP	1000p F		
	CK732B1H102K		± 10%,50V	1	
C 305		CER CAP	15p F		
	CC732CH1H150J		± 5%,50V	1	
C 306		CER CAP	15p F		
	CC732CH1H150J		± 5%,50V	1	
C 307		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 308		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 309		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 310		CER CAP	100p F		
	CC732CH1H101J		± 5%,50V	1	
C 311		CER CAP	330p F		
	CC732CH1H331J		± 5%,50V	1	
C 312		CER CAP	100p F		
	CC732CH1H101J		± 5%,50V	1	
C 313		CER CAP	22p F		
	CC732CH1H220J		± 5%,50V	1	
C 314		CER CAP	39p F		
	CC732CH1H390J		± 5%,50V	1	
C 315		CER CAP	22p F		
	CC732CH1H220J		± 5%,50V	1	
C 316		CER CAP	1000p F		
	CK732B1H102K		± 10%,50V	1	
C 317		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 318		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 319		CER CAP	1000p F		
	CK732B1H102K		± 10%,50V	1	
C 320		AL ELECTLT CAP	100μ F		
	CE04C1E101A		± 20%,25V	1	
C 321		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	
C 322		CER CAP	0.01μ F		
	CK732B1H103K		± 10%,50V	1	

Dep

* Selected at factory

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ANRITSU CORP.

Parts List of: A2-A5 20MHZ STEP

Ref No.	Part Code	Description	Rating	Qty	Note
C 323		AL ELECTLT CAP	100μ F		
		CE04C1E101A	± 20%,25V	1	
C 324		CER CAP	0.022μ F		
		CK732B1H223K	± 10%,50V	1	
E 1		CHECK TERMINAL			
		00292		1	
E 2		CHECK TERMINAL			
		00292		1	
E 3		CHECK TERMINAL			
		00292		1	
E 4		CHECK TERMINAL			
		00292		1	
E 5		CHECK TERMINAL			
		00292		1	
E 6		CHECK TERMINAL			
		00292		1	
J 1		PLUG	10P		
		DF1-10P2.5DSA		1	
J 2		PLUG	5P		
		DF1-5P2.5DSA		1	
J 3		NOT ASSIGNED			
J 4		NOT ASSIGNED			
J 5		NOT ASSIGNED			
J 6		NOT ASSIGNED			
J 7		NOT ASSIGNED			
J 8		NOT ASSIGNED			
J 9		NOT ASSIGNED			
J 10		NOT ASSIGNED			
J 11		NOT ASSIGNED			
J 12		NOT ASSIGNED			

Dep.

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ANRITSU CORP.

Parts List of: A2-A5 20MHZ STEP

Ref No.	Part Code	Description	Rating	Qty	Note
J 13		NOT ASSIGNED			
J 14		NOT ASSIGNED			
J 15		NOT ASSIGNED			
J 16		NOT ASSIGNED			
J 17		NOT ASSIGNED			
L 1		NOT ASSIGNED			
L 2		INDUCTOR	100μ H,0.66A		
		TSL0707-101KR66		1	
L 3		INDUCTOR	100μ H,0.66A		
		TSL0707-101KR66		1	
L 4		INDUCTOR	100μ H,0.66A		
		TSL0707-101KR66		1	
L 5		INDUCTOR	100μ H,± 10%		
		NL453232-101K		1	
L 6		INDUCTOR	100μ H,0.66A		
		TSL0707-101KR66		1	
L 7		NOT ASSIGNED			
L 8		NOT ASSIGNED			
L 9		NOT ASSIGNED			
L 10		NOT ASSIGNED			
L 11		INDUCTOR	0.33μ H± 10%		
		NL322522-R33K		1	
L 12		INDUCTOR	0.33μ H± 10%		
		NL322522-R33K		1	
L 13		INDUCTOR	10μ H,± 10%		
		NL453232-100K		1	
L 14		INDUCTOR	0.33μ H± 10%		
		NL322522-R33K		1	
L 15		INDUCTOR	0.33μ H± 10%		
		NL322522-R33K		1	
L 16		NOT ASSIGNED			
L 17		INDUCTOR	0.68μ H± 10%		
		NL322522-R68K		1	

Dep.

• Selected at factory

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ANRITSU CORP.

Parts List of: A2-A5 20MHZ STEP

Ref No.	Part Code	Description	Rating	Qty	Note
L 18		INDUCTOR	0.68μ H± 10%		
		NL322522-R68K		1	
L 19		COIL	98n H		
		34L74432I			
L 20		INDUCTOR	1.0μ H,± 10%		
		NL453232-1R0K		1	
L 21		NOT ASSIGNED			
L 22		NOT ASSIGNED			
L 23		INDUCTOR	10μ H,± 10%		
		NL453232-100K		1	
L 24		INDUCTOR	100μ H,0.66A		
		TSL0707-101KR66		1	
L 25		NOT ASSIGNED			
L 26		INDUCTOR	100μ H,± 10%		
		NL453232-101K		1	
L 27		INDUCTOR	1.0μ H,± 10%		
		NL453232-1R0K			
L 28		INDUCTOR	1.0μ H,± 10%		
		NL453232-1R0K		1	
L 29		NOT ASSIGNED			
L 30		NOT ASSIGNED			
L 31		COIL	60n H		
		34L74431M		1	
L 32		COIL	60n H		
		34L74431M		1	
L 33		INDUCTOR	0.1μ H		
		NL322522-R10K		1	
L 34		INDUCTOR	10μ H,± 10%		
		NL453232-100K		1	
L 35		INDUCTOR	10μ H,± 10%		
		NL453232-100K		1	
L 36		INDUCTOR	10μ H,± 10%		
		NL453232-100K		1	
L 37		NOT ASSIGNED			
L 38		NOT ASSIGNED			
L 39		NOT ASSIGNED			
L 40		NOT ASSIGNED			

Dep.

• Selected at factory

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ANRITSU CORP.

Parts List of: A2-A5 20MHZ STEP

Ref No.	Part Code	Description	Rating	Qty	Note
L 41		PATTERN COIL		1	※Item 0
L 42		INDUCTOR	10μ H,± 10%		
		NL453232-100K		1	
L 43		NOT ASSIGNED			
L 44		NOT ASSIGNED			
L 45		NOT ASSIGNED			
L 46		NOT ASSIGNED			
L 47		NOT ASSIGNED			
L 48		NOT ASSIGNED			
L 49		NOT ASSIGNED			
L 50		NOT ASSIGNED			
L 51		INDUCTOR	0.1μ H		
		NL322522-R10K		1	
L 52		INDUCTOR	0.1μ H		
		NL322522-R10K		1	
L 53		INDUCTOR	0.68μ H± 10%		
		NL322522-R68K		1	
L 54		NOT ASSIGNED			
L 55		NOT ASSIGNED			
L 56		INDUCTOR	0.33μ H± 10%		
		NL322522-R33K		1	
L 57		NOT ASSIGNED			
L 58		NOT ASSIGNED			
L 59		NOT ASSIGNED			
L 60		NOT ASSIGNED			
L 61		INDUCTOR	0.15μ H± 10%		
		NL322522-R15K		1	
L 62		COIL	7n H		
		34L74430J		1	
L 63		INDUCTOR	0.15μ H± 10%		
		NL322522-R15K		1	

Dep.

• Selected at factory

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ANRITSU CORP.

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
L 64		NOT ASSIGNED			
L 65		NOT ASSIGNED			
L 66		PATTERN COIL		1	L =17m m
L 67		PATTERN COIL		1	L =14m m
L 68		NOT ASSIGNED			
L 69		PATTERN COIL		1	L =14m m
L 70		PATTERN COIL		1	L =17m m
L 71		PATTERN COIL		1	L =14m m
L 72		PATTERN COIL		1	L =14m m
L 73		INDUCTOR NL322522-R15K	0.15μ H ± 10%	1	
L 74		INDUCTOR NL453232-100K	10μ H ± 10%	1	
L 75		INDUCTOR NL322522-R68K	0.68μ H ± 10%	1	
L 76		INDUCTOR NL453232-100K	10μ H ± 10%	1	
L 77		NOT ASSIGNED			
L 78		NOT ASSIGNED			
L 79		NOT ASSIGNED			
L 80		NOT ASSIGNED			
L 81		INDUCTOR NL453232-220K	22μ H ± 10%	1	
L 82		INDUCTOR 342L82001		1	
L 83		SEMI-RIGID COIL 342L94361D		1	
L 84		INDUCTOR NL453232-100K	10μ H ± 10%	1	
L 85		PATTERN COIL		1	L =10m m
L 86		INDUCTOR NL453232-1R0K	1.0μ H ± 10%	1	

Dep

* Selected at factory

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ANRITSU CORP.

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
L 87		NOT ASSIGNED			
L 88		NOT ASSIGNED			
L 89		NOT ASSIGNED			
L 90		NOT ASSIGNED			
L 91		INDUCTOR NL453232-1R0K	1.0μ H ± 10%	1	
L 92		PATTERN COIL		1	L =14m m
L 93		PATTERN COIL		1	L =14m m
L 94		NOT ASSIGNED			
L 95		NOT ASSIGNED			
L 96		NOT ASSIGNED			
L 97		NOT ASSIGNED			
L 98		NOT ASSIGNED			
L 99		NOT ASSIGNED			
L 100		NOT ASSIGNED			
L 101		PATTERN COIL		1	L =14m m
L 102		INDUCTOR NL322522-R68K	0.68μ H ± 10%	1	
L 103		INDUCTOR NL322522-R68K	0.68μ H ± 10%	1	
L 104		PATTERN COIL		1	L =14m m
L 105		PATTERN COIL		1	L =14m m
L 106		INDUCTOR NL322522-R10K	0.1μ H ± 10%	1	
L 107		INDUCTOR NL453232-1R0K	1.0μ H ± 10%	1	
L 108		NOT ASSIGNED			
L 109		NOT ASSIGNED			

Dep

* Selected at factory

DRAWING № 34W99301

ANRITSU CORP.

Parts List of: A2-A5 20MHZ STEP

Ref. No.	Part Code	Description	Rating	Qty	Note
L 110		NOT ASSIGNED			
L 111		INDUCTOR NL322522-R10K	0.1μ H ± 10%	1	
L 112		INDUCTOR NL453232-100K	10μ H ± 10%	1	
L 113		INDUCTOR NL322522-R10K	0.1μ H ± 10%	1	
L 114		NOT ASSIGNED			
L 115		NOT ASSIGNED			
L 116		NOT ASSIGNED			
L 117		NOT ASSIGNED			
L 118		NOT ASSIGNED			
L 119		NOT ASSIGNED			
L 120		NOT ASSIGNED			
L 121		INDUCTOR NL453232-100K	10μ H ± 10%	1	
L 122		INDUCTOR NL453232-100K	10μ H ± 10%	1	
L 123		NOT ASSIGNED			
L 124		NOT ASSIGNED			
L 125		NOT ASSIGNED			
L 126		NOT ASSIGNED			
L 127		NOT ASSIGNED			
L 128		NOT ASSIGNED			
L 129		NOT ASSIGNED			
L 130		NOT ASSIGNED			
L 131		INDUCTOR NL322522-R10K	0.1μ H ± 10%	1	
L 132		INDUCTOR NL453232-1R0K	1.0μ H ± 10%	1	

Dep

* Selected at factory

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ANRITSU CORP.

Parts List of: A2-A5 20MHZ STEP

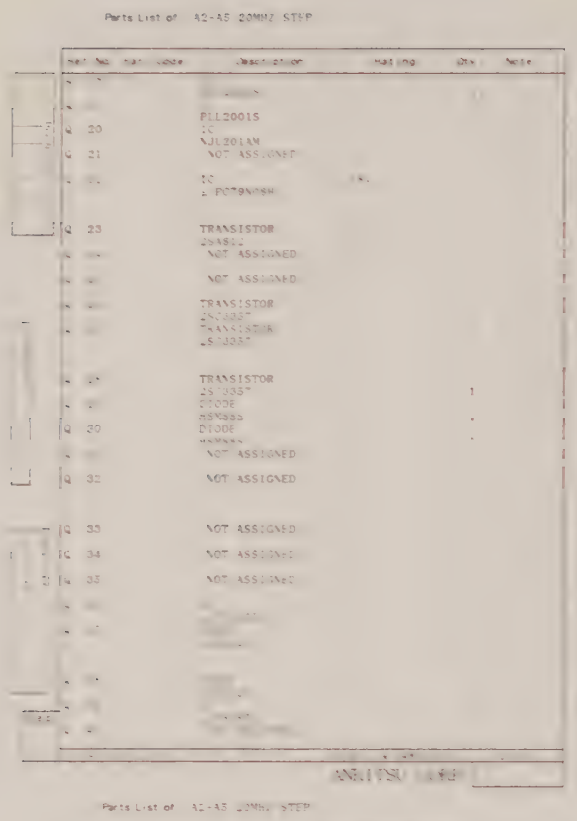
Ref. No.	Part Code	Description	Rating	Qty	Note
L 133		INDUCTOR NL322522-R68K	0.68μ H ± 10%	1	
L 134		INDUCTOR NL322522-R68K	0.68μ H ± 10%		
L 135		INDUCTOR NL322522-R10K	0.1μ H ± 10%	1	
L 136		INDUCTOR NL322522-R10K	0.1μ H ± 10%	1	
L 137		INDUCTOR NL453232-1R0K	1.0μ H ± 10%	1	
Q 1		IC 74HC14F		1	
Q 2		NOT ASSIGNED			
Q 3		NOT ASSIGNED			
Q 4		NOT ASSIGNED			
Q 5		NOT ASSIGNED			
Q 6		IC 74AS00F		1	
Q 7		IC MWA130		1	
Q 8		NOT ASSIGNED			
Q 9		DIODE 1SV107		1	
Q 10		IC 74AS00F		1	
Q 11		IC 74AS00F		1	
Q 12		IC 74LS74F		1	
Q 13		IC μPC78N05H		1	
Q 14		TRANSISTOR 2SA812		1	
Q 15		TRANSISTOR 2SC3357		1	
Q 16		IC MNC206FP		1	
Q 17		IC 74HC04F		1	

Dep

* Selected at factory

DRAWING № 34W99301

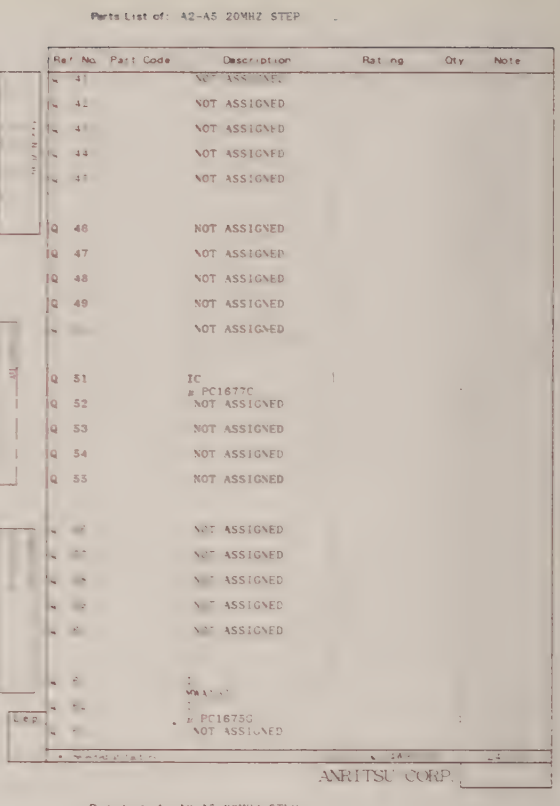
ANRITSU CORP.



Parts List of A2-A5 20MHZ STEP

Ref No.	Part Code	Description	Rating	Qty	Note
Q	20	PLL2001S IC NJL201AM			
Q	21	NOT ASSIGNED			
		IC μ PC79N05H			
Q	23	TRANSISTOR 2SA924			
		NOT ASSIGNED			
		NOT ASSIGNED			
		TRANSISTOR 2SC3356			
		TRANSISTOR 2SC3357			
		TRANSISTOR 2SC3357		1	
		DIODE MA4555			
Q	30	DIODE MA4555			
		NOT ASSIGNED			
Q	32	NOT ASSIGNED			
Q	33	NOT ASSIGNED			
IC	34	NOT ASSIGNED			
Q	35	NOT ASSIGNED			

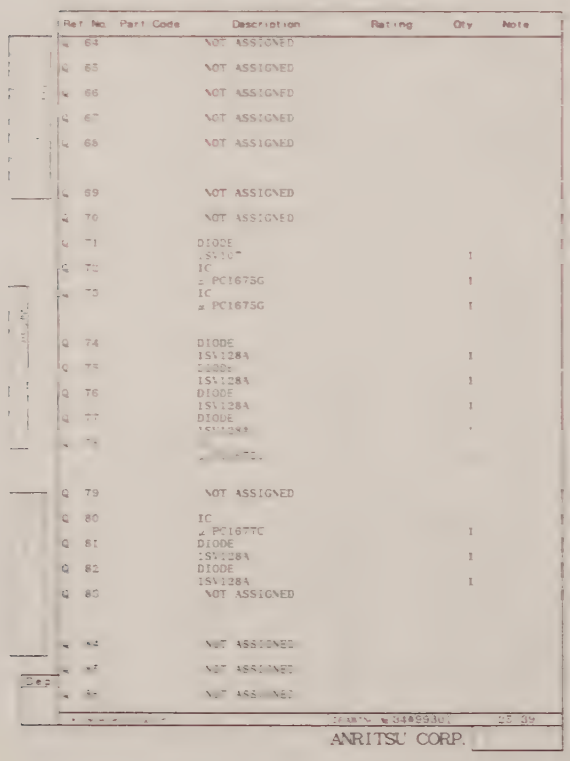
ANRITSU CORP.



Parts List of A2-A5 20MHZ STEP

Ref No.	Part Code	Description	Rating	Qty	Note
Q	41	NOT ASSIGNED			
Q	42	NOT ASSIGNED			
Q	43	NOT ASSIGNED			
Q	44	NOT ASSIGNED			
Q	45	NOT ASSIGNED			
Q	46	NOT ASSIGNED			
Q	47	NOT ASSIGNED			
Q	48	NOT ASSIGNED			
Q	49	NOT ASSIGNED			
		NOT ASSIGNED			
Q	51	IC μ PC1677C		1	
Q	52	NOT ASSIGNED			
Q	53	NOT ASSIGNED			
Q	54	NOT ASSIGNED			
Q	55	NOT ASSIGNED			
		NOT ASSIGNED			
		NOT ASSIGNED			
		NOT ASSIGNED			
		NOT ASSIGNED			
		NOT ASSIGNED			
		μ PC1675G			
		NOT ASSIGNED			

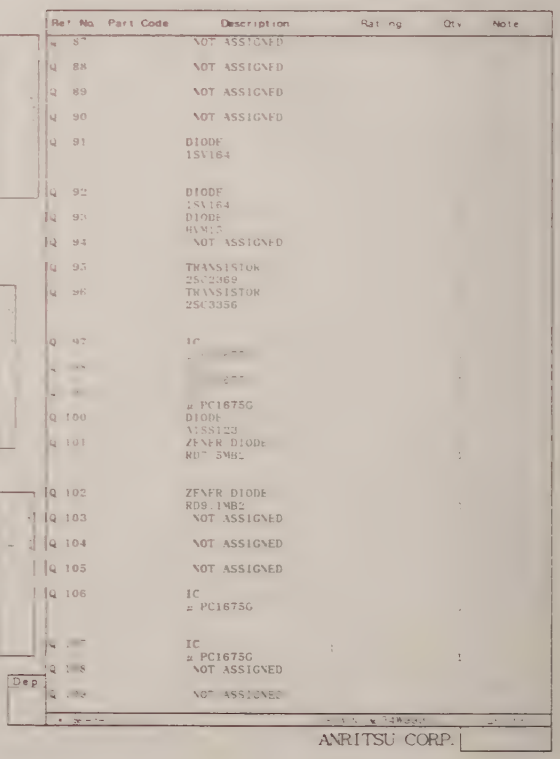
ANRITSU CORP.



Parts List of A2-A5 20MHZ STEP

Ref No.	Part Code	Description	Rating	Qty	Note
Q	64	NOT ASSIGNED			
Q	65	NOT ASSIGNED			
Q	66	NOT ASSIGNED			
Q	67	NOT ASSIGNED			
Q	68	NOT ASSIGNED			
Q	69	NOT ASSIGNED			
Q	70	NOT ASSIGNED			
Q	71	DIODE 1SV107		1	
Q	72	IC μ PC1675G		1	
	73	IC μ PC1675G		1	
Q	74	DIODE 1SV128A		1	
Q	75	DIODE 1SV128A		1	
Q	76	DIODE 1SV128A		1	
Q	77	DIODE 1SV128A		1	
		μ PC1675G			
Q	79	NOT ASSIGNED			
Q	80	IC μ PC1677C		1	
Q	81	DIODE 1SV128A		1	
Q	82	DIODE 1SV128A		1	
Q	83	NOT ASSIGNED			
		NOT ASSIGNED			
		NOT ASSIGNED			

ANRITSU CORP.



Parts List of A2-A5 20MHZ STEP

Ref No.	Part Code	Description	Rating	Qty	Note
Q	87	NOT ASSIGNED			
Q	88	NOT ASSIGNED			
Q	89	NOT ASSIGNED			
Q	90	NOT ASSIGNED			
Q	91	DIODE 1SV164			
Q	92	DIODE 1SV164			
Q	93	DIODE MA4555			
Q	94	NOT ASSIGNED			
Q	95	TRANSISTOR 2SC2369			
Q	96	TRANSISTOR 2SC3356			
Q	97	IC			
		μ PC1675G			
Q	100	DIODE MA4555			
Q	101	ZENER DIODE RD7.5MB2			
Q	102	ZENER DIODE RD8.1MB2			
Q	103	NOT ASSIGNED			
Q	104	NOT ASSIGNED			
Q	105	NOT ASSIGNED			
Q	106	IC μ PC1675G			
		IC μ PC1675G			
Q	108	NOT ASSIGNED			
		NOT ASSIGNED			

ANRITSU CORP.

Parts List of: A2-A5 20MHZ STEP

Ref No.	Part Code	Description	Rating	Qty	Note
C 11		NOT ASSIGNED			
C 111		IC			
C 112					
C 113		NOT ASSIGNED			
C 114		NOT ASSIGNED			
C 115		NOT ASSIGNED			
C 116		NOT ASSIGNED			
C 117		NOT ASSIGNED			
C 118		NOT ASSIGNED			
C [illegible]		NOT ASSIGNED			
C 120		NOT ASSIGNED			
C 121		IC			
C 122		NOT ASSIGNED			
C 123		NOT ASSIGNED			
C 124		NOT ASSIGNED			
C 125		NOT ASSIGNED			
C 126		IC			
C 127		NOT ASSIGNED			
C 128		NOT ASSIGNED			
C 129		NOT ASSIGNED			
C 130		NOT ASSIGNED			
C 131					
C 132					

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ANRITSU CORP

Parts List of A2-A5 20MHZ STEP

Ref No.	Part Code	Description	Rating	Qty	Note
R 1		IC			
R 2		μ PC1652G			
R 3		NOT ASSIGNED			
R 4		NOT ASSIGNED			
R 5		NOT ASSIGNED			
R 6		NOT ASSIGNED			
R 7		CERMET RESISTOR	100Ω		
R 8		RK73M2A101J	± 5% .1/10W		
R 9		CERMET RESISTOR	220Ω		
R 10		RK73M2A221J	± 5% .1/10W		
R 11		CERMET RESISTOR	22Ω		
R 12		RK73M2A220J	± 5% .1/10W		
R 13		CERMET RESISTOR	330Ω		
R 14		RK73M2A331J	± 5% .1/10W		
R 15		CERMET RESISTOR	150Ω		
R 16		RK73M2A151J	± 5% .1/10W		
R 17		CERMET RESISTOR	330Ω		
R 18		RK73M2A331J	± 5% .1/10W		
R 19		CERMET RESISTOR	4.7Ω		
R 20		RK73M2A4R7J	± 5% .1/10W		
R 21		NOT ASSIGNED			
R 22		CERMET RESISTOR	22Ω		
R 23		RK73M2A220J	± 5% .1/10W		
R 24		CERMET RESISTOR	100Ω		
R 25		RK73M2A101J	± 5% .1/10W		
R 26		CERMET RESISTOR	22Ω		
R 27		RK73M2A220J	± 5% .1/10W		
R 28		CERMET RESISTOR	1KΩ		
R 29		RK73M2A102J	± 5% .1/10W		
R 30		CERMET RESISTOR	1KΩ		
R 31		RK73M2A102J	± 5% .1/10W		
R 32		CERMET RESISTOR	470Ω		
R 33		RK73M2A471J	± 5% .1/10W		
R 34		CERMET RESISTOR	470Ω		
R 35		RK73M2A471J	± 5% .1/10W		
R 36		CERMET RESISTOR	10KΩ		
R 37		RK73M2A103J	± 5% .1/10W		

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ANRITSU CORP

Parts List of [illegible]

Ref No.	Part Code	Description	Rating	Qty	Note
R 20		RK73M2A4R7J	± 5% .1/10W		
R 21		CERMET RESISTOR	390Ω		
R 22		RK73M2A391J	± 5% .1/10W		
R 23		CERMET RESISTOR	1KΩ		
R 24		RK73M2A122J	± 5% .1/10W		
R 25		CERMET RESISTOR	82Ω		
R 26		RK73M2A820J	± 5% .1/10W		
R 27		CERMET RESISTOR	82Ω		
R 28		RK73M2A820J	± 5% .1/10W		
R 29		CERMET RESISTOR	100Ω		
R 30		RK73M2A100J	± 5% .1/10W		
R 27		CERMET RESISTOR	120Ω		
R 28		RK73M2A121J	± 5% .1/10W		
R 28		CERMET RESISTOR	680Ω		
R 29		RK73M2A681J	± 5% .1/10W		
R 29		CERMET RESISTOR	820Ω		
R 30		RK73M2A821J	± 5% .1/10W		
R 30		CERMET RESISTOR	120Ω		
R 31		RK73M2A121J	± 5% .1/10W		
R 31		CERMET RESISTOR	220Ω		
R 32		RK73M2A221J	± 5% .1/10W		
R 32		CERMET RESISTOR	220Ω		
R 33		RK73M2A221J	± 5% .1/10W		
R 33		CERMET RESISTOR	220Ω		
R 34		RK73M2A221J	± 5% .1/10W		
R 34		CERMET RESISTOR	220Ω		
R 35		RK73M2A221J	± 5% .1/10W		
R 35		CERMET RESISTOR	100Ω		
R 36		RK73M2A101J	± 5% .1/10W		
R 36		CERMET RESISTOR	100Ω		
R 37		RK73M2A101J	± 5% .1/10W		
R 37		CERMET RESISTOR	100Ω		
R 38		RK73M2A101J	± 5% .1/10W		
R 38		CERMET RESISTOR	2.2KΩ		
R 39		RK73M2A222J	± 5% .1/10W		
R 39		NOT ASSIGNED			
R 40		NOT ASSIGNED			
R 41		CERMET RESISTOR	150Ω		
R 42		RK73M2A151J	± 5% .1/10W		
R 42		CERMET RESISTOR	75Ω		
R 43		RK73M2A750J	± 5% .1/10W		
R 43		CERMET RESISTOR	150Ω		

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ANRITSU CORP.

Parts List of A2-A5 20MHZ STEP

Ref No.	Part Code	Description	Rating	Qty	Note
R 44		CERMET RESISTOR	1KΩ		
R 45		RK73M2A332J	± 5% .1/10W		
R 46		CERMET RESISTOR	220Ω		
R 47		RK73M2A221J	± 5% .1/10W		
R 48		NOT ASSIGNED			
R 49		NOT ASSIGNED			
R 50		NOT ASSIGNED			
R 51		NOT ASSIGNED			
R 52		NOT ASSIGNED			
R 53		NOT ASSIGNED			
R 54		NOT ASSIGNED			
R 55		NOT ASSIGNED			
R 56		NOT ASSIGNED			
R 57		NOT ASSIGNED			
R 58		NOT ASSIGNED			
R 59		NOT ASSIGNED			
R 60		NOT ASSIGNED			
R 61		NOT ASSIGNED			
R 62		NOT ASSIGNED			
R 63		NOT ASSIGNED			
R 64		NOT ASSIGNED			
R 65		NOT ASSIGNED			
R 66		NOT ASSIGNED			

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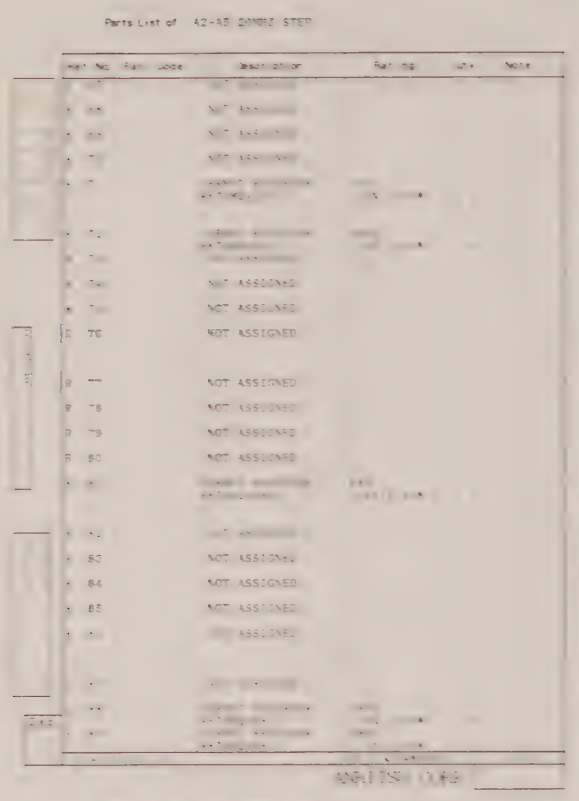
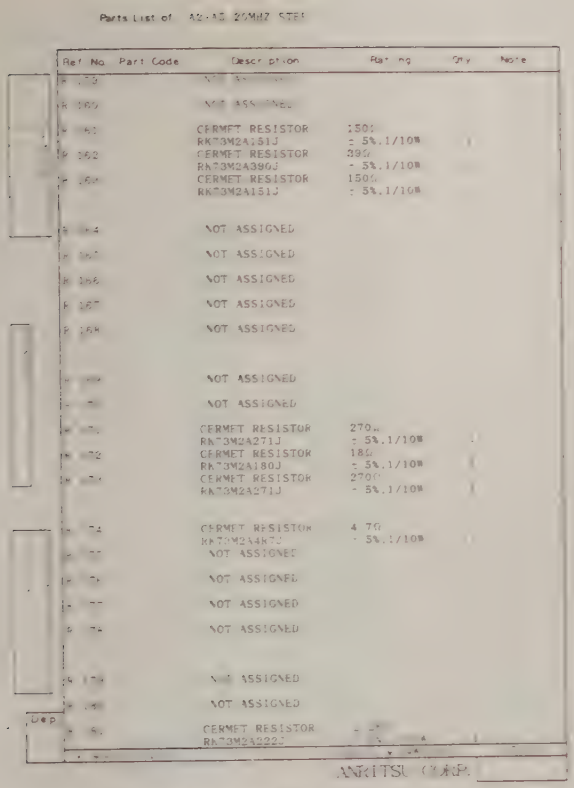
ANRITSU CORP



Parts List of A2-A5 20MHZ STEP

Ref No.	Part Code	Description	Rating	Qty	Note



Parts List of A2-A5 20MHZ STEP

Ref No.	Part Code	Description	Rating	Qty	Note
R 180		NOT ASSIGNED			
R 181		NOT ASSIGNED			
R 182		CERMET RESISTOR RK73M2A151J	150Ω ± 5%.1/10W	1	
R 183		CERMET RESISTOR RK73M2A390J	39Ω ± 5%.1/10W	1	
R 184		CERMET RESISTOR RK73M2A151J	150Ω ± 5%.1/10W	1	
R 185		NOT ASSIGNED			
R 186		NOT ASSIGNED			
R 187		NOT ASSIGNED			
R 188		NOT ASSIGNED			
R 189		NOT ASSIGNED			
R 190		NOT ASSIGNED			
R 191		CERMET RESISTOR RK73M2A271J	270Ω ± 5%.1/10W	1	
R 192		CERMET RESISTOR RK73M2A180J	18Ω ± 5%.1/10W	1	
R 193		CERMET RESISTOR RK73M2A271J	270Ω ± 5%.1/10W	1	
R 194		CERMET RESISTOR RK73M2A4R7J	4.7Ω ± 5%.1/10W	1	
R 195		NOT ASSIGNED			
R 196		NOT ASSIGNED			
R 197		NOT ASSIGNED			
R 198		NOT ASSIGNED			
R 199		NOT ASSIGNED			
R 200		NOT ASSIGNED			
R 201		CERMET RESISTOR RK73M2A222J	2.2K ± 5%.1/10W	1	

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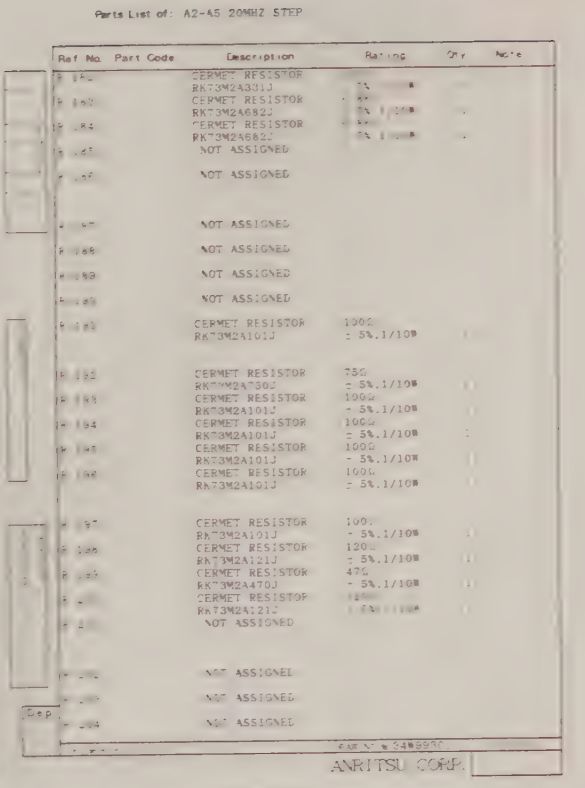
ANRITSU CORP.

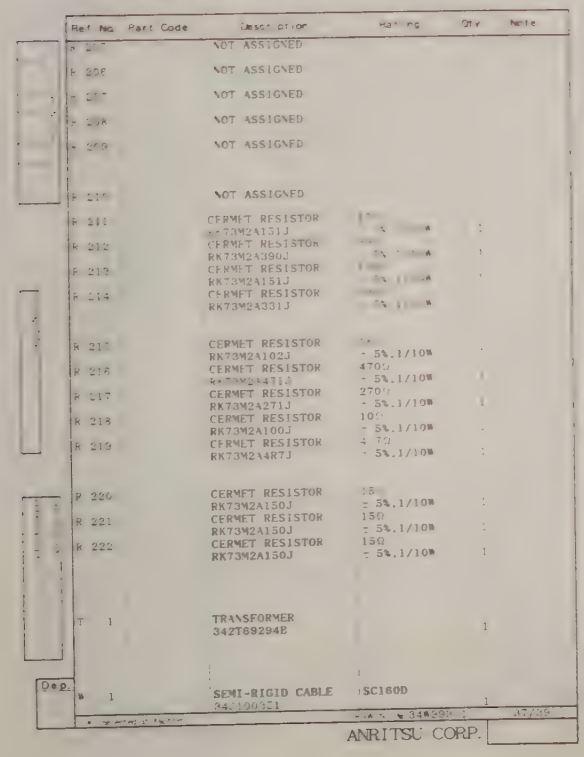


Parts List of: A2-A5 20MHZ STEP

Ref No.	Part Code	Description	Rating	Qty	Note
R 181		CERMET RESISTOR RK73M2A331J	330Ω ± 5%.1/10W	1	
R 182		CERMET RESISTOR RK73M2A682J	6.8K ± 5%.1/10W	1	
R 184		CERMET RESISTOR RK73M2A682J	6.8K ± 5%.1/10W	1	
R 185		NOT ASSIGNED			
R 186		NOT ASSIGNED			
R 187		NOT ASSIGNED			
R 188		NOT ASSIGNED			
R 189		NOT ASSIGNED			
R 190		NOT ASSIGNED			
R 191		CERMET RESISTOR RK73M2A101J	100Ω ± 5%.1/10W	1	
R 192		CERMET RESISTOR RK73M2A750J	75Ω ± 5%.1/10W	1	
R 193		CERMET RESISTOR RK73M2A101J	100Ω ± 5%.1/10W	1	
R 194		CERMET RESISTOR RK73M2A101J	100Ω ± 5%.1/10W	1	
R 195		CERMET RESISTOR RK73M2A101J	100Ω ± 5%.1/10W	1	
R 196		CERMET RESISTOR RK73M2A101J	100Ω ± 5%.1/10W	1	
R 197		CERMET RESISTOR RK73M2A101J	100Ω ± 5%.1/10W	1	
R 198		CERMET RESISTOR RK73M2A121J	120Ω ± 5%.1/10W	1	
R 199		CERMET RESISTOR RK73M2A470J	47Ω ± 5%.1/10W	1	
R 200		CERMET RESISTOR RK73M2A121J	120Ω ± 5%.1/10W	1	
R 201		NOT ASSIGNED			
R 202		NOT ASSIGNED			
R 203		NOT ASSIGNED			
R 204		NOT ASSIGNED			

Dep.

ANRITSU CORP.

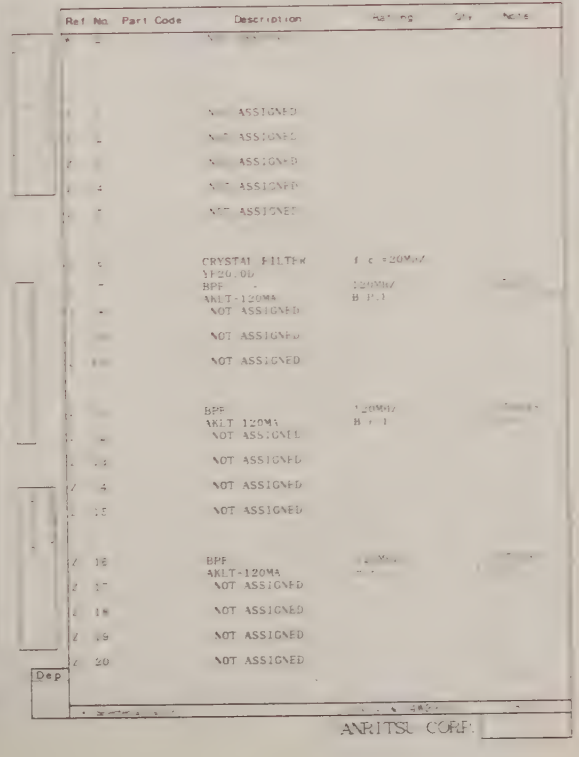


Parts List of A2-A5 20MHZ STEP

Ref No.	Part Code	Description	Rating	Qty	Note
R 205		NOT ASSIGNED			
R 206		NOT ASSIGNED			
R 207		NOT ASSIGNED			
R 208		NOT ASSIGNED			
R 209		NOT ASSIGNED			
R 210		NOT ASSIGNED			
R 211		CERMET RESISTOR RK73M2A151J	150Ω ± 5%.1/10W	1	
R 212		CERMET RESISTOR RK73M2A390J	39Ω ± 5%.1/10W	1	
R 213		CERMET RESISTOR RK73M2A151J	150Ω ± 5%.1/10W	1	
R 214		CERMET RESISTOR RK73M2A331J	330Ω ± 5%.1/10W	1	
R 215		NOT ASSIGNED			
R 216		CERMET RESISTOR RK73M2A102J	1K ± 5%.1/10W	1	
R 217		CERMET RESISTOR RK73M2A271J	270Ω ± 5%.1/10W	1	
R 218		CERMET RESISTOR RK73M2A100J	10Ω ± 5%.1/10W	1	
R 219		CERMET RESISTOR RK73M2A4R7J	4.7Ω ± 5%.1/10W	1	
R 220		CERMET RESISTOR RK73M2A150J	15Ω ± 5%.1/10W	1	
R 221		CERMET RESISTOR RK73M2A150J	15Ω ± 5%.1/10W	1	
R 222		CERMET RESISTOR RK73M2A150J	15Ω ± 5%.1/10W	1	
T 1		TRANSFORMER 342T69294B		1	
W 1		SEMI-RIGID CABLE 34C100S1	SC160D	1	

Dep.

ANRITSU CORP.



Parts List of A2-A5 20MHZ STEP

Ref No.	Part Code	Description	Rating	Qty	Note
Z 1		NOT ASSIGNED			
Z 2		NOT ASSIGNED			
Z 3		NOT ASSIGNED			
Z 4		NOT ASSIGNED			
Z 5		NOT ASSIGNED			
Z 6		CRYSTAL FILTER SF20.0D	f c =20MHz	1	
Z 7		BPF AKLT-120MA	120MHz B P F	1	
Z 8		NOT ASSIGNED			
Z 9		NOT ASSIGNED			
Z 10		NOT ASSIGNED			
Z 11		BPF AKLT-120MA	120MHz B P F	1	
Z 12		NOT ASSIGNED			
Z 13		NOT ASSIGNED			
Z 14		NOT ASSIGNED			
Z 15		NOT ASSIGNED			
Z 16		BPF AKLT-120MA	120MHz B P F	1	
Z 17		NOT ASSIGNED			
Z 18		NOT ASSIGNED			
Z 19		NOT ASSIGNED			
Z 20		NOT ASSIGNED			

Dep.

ANRITSU CORP.

Parts List of A2-A5 20MHZ STEP

Ref No.	Part Code	Description	Rating	Qty	Note
		BPF	84 MHz		
		AHW-840MF		1	
		BPF	MHz		
		AHW-720MF			
		NOT ASSIGNED			
		NOT ASSIGNED			
		NOT ASSIGNED			
		MIXER			
		M-18A			
		NOT ASSIGNED			
		NOT ASSIGNED			
		NOT ASSIGNED			
		NOT ASSIGNED			
		MIXER			
		M-8			
		BPF	110MHZ		3458HBXS-
		ANLT-110MA	p P F		0399
		NOT ASSIGNED			
		NOT ASSIGNED			
		NOT ASSIGNED			
		NOT ASSIGNED			
		BPF	110MHZ		3458HBXS-
		ANLT-110MA	p P F		0399

Dep

ANRITSU CORP.

Parts List of: A2-A6 MAIN LOOP

11

Ref No.	Part Code	Description	Rating	Qty	Note
	1	CER CAP	0 1u F		
		CK733B1H104K	± 10%,50V	1	
C	2	CER CAP	4p F,50V		
		CC732CH1H040D	± 0.5p F	1	
C	3	CER CAP	12p F		
		CC732CH1H120J	± 5%,50V	1	
C	4	CER CAP	4p F,50V		
		CC732CH1H040D	± 0.5p F	1	
C	5	CER CAP	1000p F		
		CK732B1H102K	± 10%,50V	1	
C	6	CER CAP	1000p F		
		CK732B1H102K	± 10%,50V	1	
C	7	CER CAP	2p F,50V		
		CC732CK1H020C	± 0.25p F	1	
	8	CER CAP	0.01u F		
		CK732B1H103K	± 10%,50V	1	
	9	CER CAP	1000p F		
		CK732B1H102K	± 10%,50V	1	
C	10	CER CAP	3p F,50V		
		CC732CJ1H030C	± 0.25p F	1	
C	11	CER CAP	6p F,50V		
		CC732CH1H060D	± 0.5p F	1	
C	12	CER CAP	0.01u F		
		CK732B1H103K	± 10%,50V	1	
C	13	CER CAP	10p F		
		CC732CH1H100D	± 0.5%,50V	1	
C	14	CER CAP	6p F,50V		
		CC732CH1H060D	± 0.5p F	1	
C	15	CER CAP	0.01u F		
		CK732B1H103K	± 10%,50V	1	
C	16	CER CAP	4p F,50V		
		CC732CH1H040D	± 0.5p F	1	
C	17	CER CAP	7p F,50V		
		CC732CH1H070D	± 0.5p F	1	
	18	CER CAP	1p F,50V		
		CC732CK1H010C	± 0.25p F	1	
	19	CER CAP	1000p F		
		CK732B1H102K	± 10%,50V	1	
C	20	CER CAP	1000p F		
		CK732B1H102K	± 10%,50V	1	
C	21	CER CAP	1p F,50V		
		CC732CK1H010C	± 0.25p F	1	
	22	CER CAP	0.01u F		
		CK732B1H103K	± 10%,50V	1	
C	23	CER CAP	1000p F		
		CK732B1H102K	± 10%,50V	1	

Dep

* Selected at factory

DRAWING No. 34W99302 1/19

ANRITSU CORP.

Parts List of A2-A6 MAIN LOOP

Ref No.	Part Code	Description	Rating	Qty	Note
		CER CAP	2p F,50V		
		CC732CK1H020C	± 0.25p F	1	
		CER CAP	3p F,50V		
		CC732CJ1H030C	± 0.25p F	1	
C	26	CER CAP	1p F		
		CK732B1H103K	± 10%,50V		
C	27	CER CAP	5p F,50V		
		CC732CH1H050D	± 0.5p F	1	
	28	CER CAP	5p F,50V		
		CC732CJ1H030C	± 0.25p F	1	
		CER CAP	0.01u F		
		CK732B1H103K	± 10%,50V	1	
		CER CAP	0.01u F		
		CK732B1H103K	± 10%,50V	1	
	31	CER CAP	0.01u F		
		CK732B1H103K	± 10%,50V		
	32	CER CAP	0.01u F		
		CK732B1H103K	± 10%,50V	1	
	33	CER CAP	0.01u F		
		CK732B1H103K	± 10%,50V	1	
	34	CER CAP	0.01u F		
		CK732B1H103K	± 10%,50V	1	
C	35	CER CAP	100p F		
		CC732CH1H101J	± 5%,50V	1	
		CER CAP	0.01u F		
		CK732B1H103K	± 10%,50V		
C	37	CER CAP	10p F		
		CC732CH1H101J	± 5%,50V	1	
		CER CAP	100p F		
		CC732CH1H101J	± 5%,50V	1	
	39	CER CAP	1000p F		
		CK732B1H102K	± 10%,50V	1	
	40	CER CAP	0.01u F		
		CK732B1H103K	± 10%,50V	1	
	41	CER CAP	0.01u F		
		CK732B1H103K	± 10%,50V	1	
	42	CER CAP	0.01u F		
		CK732B1H103K	± 10%,50V	1	
	43	CER CAP	0.01u F		
		CK732B1H103K	± 10%,50V	1	
C	44	CER CAP	0.01u F		
		CK732B1H103K	± 10%,50V	1	
C	45	CER CAP	0.01u F		
		CK732B1H103K	± 10%,50V	1	
C	46	NOT ASSIGNED			

Dep

* Selected at factory

DRAWING No. 34W99302 2/19

ANRITSU CORP.

Parts List of A2-A6 MAIN LOOP

Ref No.	Part Code	Description	Rating	Qty	Note
	47	NOT ASSIGNED			
	48	NOT ASSIGNED			
	49	NOT ASSIGNED			
		NOT ASSIGNED			
	5	NOT ASSIGNED			
		NOT ASSIGNED			
		NOT ASSIGNED			
		NOT ASSIGNED			
		NOT ASSIGNED			
	57	NOT ASSIGNED			
	58	NOT ASSIGNED			
	59	NOT ASSIGNED			
	60	NOT ASSIGNED			
	61	CER CAP	3p F,50V		
		CC732CJ1H030C	± 0.25p F	1	
	62	CER CAP	100p F		
		CC732CH1H101J	± 5%,50V	1	
	63	CER CAP	0.01u F		
		CK732B1H103K	± 10%,50V	1	
C	64	CER CAP	0.01u F		
		CK732B1H103K	± 10%,50V	1	
C	65	CER CAP	2p F,50V		
		CC732CK1H020C	± 0.25p F	1	
C	66	CER CAP	2p F,50V		
		CC732CK1H020C	± 0.25p F	1	
C	67	CER CAP	3p F,50V		
		CC732CJ1H030C	± 0.25p F	1	
C	68	CER CAP	5p F,50V		
		CC732CH1H050D	± 0.5p F	1	
C	69	CER CAP	3p F,50V		
		CC732CJ1H030C	± 0.25p F	1	

Dep

* Selected at factory

DRAWING No. 34W99302 3/19

ANRITSU CORP.

Parts List of: A2-A6 MAIN LOOP

Ref. No.	Part Code	Description	Rating	Qty	Note
C 70		CER CAP	15p F		
		CC732CH1H150J	± 5%,50V	1	
C 71		CER CAP	33p F		
		CC732CH1H330J	± 5%,50V	1	
C 72		CER CAP	33p F		
		CC732CH1H330J	± 5%,50V	1	
C 73		NOT ASSIGNED			
C 74		CER CAP	15p F		
		CC732CH1H150J	± 5%,50V	1	
C 75		CER CAP	1000p F		
		CK732B1H102K	± 10%,50V	1	
C 76		CER CAP	1000p F		
		CK732B1H102K	± 10%,50V	1	
C 77		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 78		CER CAP	12p F		
		CC732CH1H120J	± 5%,50V	1	
C 79		CER CAP	12p F		
		CC732CH1H120J	± 5%,50V	1	
C 80		CER CAP	1000p F		
		CK732B1H102K	± 10%,50V	1	
C 81		CER CAP	1000p F		
		CK732B1H102K	± 10%,50V	1	
C 82		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 83		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 84		CER CAP	2p F 50V		
		CC732CK1H020C	± 0.25p F	1	
C 85		NOT ASSIGNED			
C 86		NOT ASSIGNED			
C 87		NOT ASSIGNED			
C 88		NOT ASSIGNED			
C 89		NOT ASSIGNED			
C 90		NOT ASSIGNED			
C 91		CER CAP	1μ F		
		CC732CH1H120J	± 5%,50V	1	
		CER CAP	1μ F		
		CC732CH1H120J	± 5%,50V	1	

Dep.

• Selected at factory.

DRAWING № 34W99302 4/19

ANRITSU CORP.

Parts List of: A2-A6 MAIN LOOP

Ref. No.	Part Code	Description	Rating	Qty	Note
C 93		NOT ASSIGNED			
C 94		CER CAP	15p F		
		CC732CH1H150J	± 5%,50V	1	
C 95		CER CAP	15p F		
		CC732CH1H150J	± 5%,50V	1	
C 96		CER CAP	150p F		
		CC732CH1H151J	± 5%,50V	1	
C 97		CER CAP	270p F		
		CC732CH1H271J	± 5%,50V	1	
C 98		CER CAP	270p F		
		CC732CH1H271J	± 5%,50V	1	
C 99		CER CAP	150p F		
		CC732CH1H151J	± 5%,50V	1	
C 100		CER CAP	120p F		
		CC732CH1H121J	± 5%,50V	1	
C 101		CER CAP	120p F		
		CC732CH1H121J	± 5%,50V	1	
C 102		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 103		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 104		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 105		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 106		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 107		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 108		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 109		CER CAP	47p F		
		CC732CH1H470J	± 5%,50V	1	
C 110		CER CAP	47p F		
		CC732CH1H470J	± 5%,50V	1	
C 111		CER CAP	470p F		
		CC732CH1H471J	± 5%,50V	1	
C 112		CER CAP	1000p F		
		CK732B1H102K	± 10%,50V	1	
C 113		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 114		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 115		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	

Dep.

• Selected at factory.

DRAWING № 34W99302 5/19

ANRITSU CORP.

Parts List of: A2-A6 MAIN LOOP

Ref. No.	Part Code	Description	Rating	Qty	Note
C 116		CER CAP	220p F		
		CC732CH1H221J	± 5%,50V	1	
C 117		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 118		NOT ASSIGNED			
C 119		NOT ASSIGNED			
C 120		NOT ASSIGNED			
C 121		NOT ASSIGNED			
C 122		NOT ASSIGNED			
C 123		NOT ASSIGNED			
C 124		NOT ASSIGNED			
C 125		NOT ASSIGNED			
C 126		NOT ASSIGNED			
C 127		NOT ASSIGNED			
C 128		NOT ASSIGNED			
C 129		NOT ASSIGNED			
C 130		NOT ASSIGNED			
C 131		CER CAP	100p F		
		CC732CH1H101J	± 5%,50V	1	
C 132		CER CAP	1000p F		
		CK732B1H102K	± 10%,50V	1	
C 133		CER CAP	270p F		
		CC732CH1H271J	± 5%,50V	1	
C 134		CER CAP	470p F		
		CC732CH1H471J	± 5%,50V	1	
C 135		NOT ASSIGNED			
C 136		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 137		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 138		AL ELECTLT CAP	33μ F		
		CE04C1V330A	± 20%,35V	1	

Dep.

• Selected at factory.

DRAWING № 34W99302 6/19

ANRITSU CORP.

Parts List of: A2-A6 MAIN LOOP

Ref. No.	Part Code	Description	Rating	Qty	Note
C 139		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 140		AL ELECTLT CAP	47μ F		
		CE04C1E470A	± 20%,25V	1	
C 141		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 142		CER CAP	4μ F 50V		
		CC732CH1H040D	± 0.5p F	1	
C 143		NOT ASSIGNED			
C 144		NOT ASSIGNED			
C 145		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 146		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 147		TA ELECTLT CAP	2.2μ F		
		CS732E1E225M	± 20%,25V	1	
C 148		TA ELECTLT CAP	2.2μ F		
		CS732E1E225M	± 20%,25V	1	
C 149		CER CAP	1000p F		
		CK732B1H102K	± 10%,50V	1	
C 150		CER CAP	1000p F		
		CK732B1H102K	± 10%,50V	1	
C 151		NOT ASSIGNED			
C 152		NOT ASSIGNED			
C 153		NOT ASSIGNED			
C 154		NOT ASSIGNED			
C 155		NOT ASSIGNED			
C 156		NOT ASSIGNED			
C 157		NOT ASSIGNED			
C 158		NOT ASSIGNED			
C 159		NOT ASSIGNED			
C 160		NOT ASSIGNED			
C 161		CER CAP	1000p F		
		CK732B1H102K	± 10%,50V	1	

Dep.

• Selected at factory.

DRAWING № 34W99302 7/19

ANRITSU CORP.

Parts List of: A2-A6 MAIN LOOP

Ref No.	Part Code	Description	Rating	Qty	Note
C 162		CER CAP	1000p F		
		CK732B1H102K	± 10%,50V	1	
C 163		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 164		CER CAP	1000p F		
		CK732B1H102K	± 10%,50V	1	
C 165		CER CAP	1000p F		
		CK732B1H102K	± 10%,50V		
C 166		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 167		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 168		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 169		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V		
C 170		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 171		NOT ASSIGNED			
C 172		NOT ASSIGNED			
C 173		NOT ASSIGNED			
C 174		NOT ASSIGNED			
C 175		NOT ASSIGNED			
C 176		NOT ASSIGNED			
C 177		NOT ASSIGNED			
C 178		NOT ASSIGNED			
C 179		NOT ASSIGNED			
C 180		NOT ASSIGNED			
C 181		CER CAP	100p F		
		CC732CH1H101J	± 5%,50V	1	
C 182		CER CAP	100p F		
		CC732CH1H101J	± 5%,50V		
C 183		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V		
C 184		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V		

Dep.

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ANRITSU CORP.

Parts List of: A2-A6 MAIN LOOP

Ref No.	Part Code	Description	Rating	Qty	Note
C 185		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 186		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 187		NOT ASSIGNED			
C 188		NOT ASSIGNED			
C 189		NOT ASSIGNED			
C 190		NOT ASSIGNED			
C 191		CER CAP	1000p F		
		CK732B1H102K	± 10%,50V	1	
C 192		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 193		AL ELECTLT CAP	220μ F		
		CE04C1A221A	± 20%,10V	1	
C 194		CER CAP	0.1μ F		
		CK733B1H104K	± 10%,50V	1	
C 195		CER CAP	0.1μ F		
		CK733B1H104K	± 10%,50V	1	
C 196		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 197		CER CAP	470p F		
		CC732CH1H471J	± 5%,50V	1	
C 198		CER CAP	470p F		
		CC732CH1H471J	± 5%,50V	1	
C 199		CER CAP	1000p F		
		CK732B1H102K	± 10%,50V	1	
C 200		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 201		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 202		AL ELECTLT CAP	470μ F		
		CE04C1A471A	± 20%,10V	1	
C 203		NOT ASSIGNED			
C 204		AL ELECTLT CAP	330μ F		
		CE04C1E331A	± 20%,25V	1	
C 205		AL ELECTLT CAP	47μ F		
		CE04C1H470A	± 20%,50V	1	
C 206		CER CAP	100p F		
		CC732CH1H101J	± 5%,50V	1	
C 207		CER CAP	100p F		
		CC732CH1H101J	± 5%,50V	1	

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ANRITSU CORP.

Parts List of A2-A6 MAIN LOOP

Ref No.	Part Code	Description	Rating	Qty	Note
C 208		CER CAP	100p F		
		CC732CH1H101J	± 5%,50V	1	
E 1		CHECK TERMINAL			
		00292		1	
E 2		CHECK TERMINAL			
		00292		1	
L 1		INDUCTOR			
		342L62001		1	
L 2		INDUCTOR			
		342L62001		1	
L 3		INDUCTOR	LT-85		
		342L94361E	30m m	1	
L 4		INDUCTOR	LT-85		
		342L94361C	20m m	1	
L 5		PATTERN COIL	1 ×14m m	1	
L 6		PATTERN COIL	1 ×14m m	1	
L 7		PATTERN COIL	1 ×10m m	1	
L 8		PATTERN COIL	1 ×10m m	1	
L 9		INDUCTOR	10μ H, ± 10%		
		NL453232-100K		1	
L 10		INDUCTOR	0.68μ H± 10%		
		NL322522-R68K		1	
L 11		NOT ASSIGNED			
L 12		NOT ASSIGNED			
L 13		NOT ASSIGNED			
L 14		NOT ASSIGNED			
L 15		NOT ASSIGNED			
L 16		NOT ASSIGNED			
L 17		NOT ASSIGNED			

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ANRITSU CORP.

Parts List of A2-A6 MAIN LOOP

Ref No.	Part Code	Description	Rating	Qty	Note
L 18		NOT ASSIGNED			
L 19		NOT ASSIGNED			
L 20		NOT ASSIGNED			
L 21		INDUCTOR	0.68μ H± 10%		
		NL322522-R68K		1	
L 22		INDUCTOR	0.68μ H± 10%		
		NL322522-R68K		1	
L 23		PATTERN COIL	1 ×10m m	1	
L 24		PATTERN COIL	1 ×10m m	1	
L 25		PATTERN COIL	1 ×10m m	1	
L 26		INDUCTOR	0.1μ H		
		NL322522-R10K		1	
L 27		INDUCTOR	0.1μ H		
		NL322522-R10K		1	
L 28		INDUCTOR	0.1μ H		
		NL322522-R10K		1	
L 29		INDUCTOR	0.1μ H		
		NL322522-R10K		1	
L 30		INDUCTOR	0.68μ H± 10%		
		NL322522-R68K		1	
L 31		INDUCTOR	10μ H, ± 10%		
		NL453232-100K		1	
L 32		NOT ASSIGNED			
L 33		NOT ASSIGNED			
L 34		NOT ASSIGNED			
L 35		NOT ASSIGNED			
L 36		NOT ASSIGNED			
L 37		NOT ASSIGNED			
L 38		NOT ASSIGNED			
L 39		NOT ASSIGNED			
L 40		NOT ASSIGNED			

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ANRITSU CORP.

Parts List of: A2-A6 MAIN LOOP

Ref. No.	Part Code	Description	Rating	Qty	Note
L	41	INDUCTOR NL322522-R10K	0.1μ H	1	
L	42	NOT ASSIGNED			
L	43	INDUCTOR NL322522-R10K	0.1μ H	1	
L	44	INDUCTOR NL322522-R47K	0.47μ H± 10%	1	
L	45	INDUCTOR NL322522-R47K	0.47μ H± 10%	1	
L	46	INDUCTOR NL322522-R47K	0.47μ H± 10%	1	
L	47	INDUCTOR NL322522-R47K	0.47μ H± 10%	1	
L	48	INDUCTOR NL453232-100K	10μ H, ± 10%	1	
L	49	INDUCTOR NL453232-100K	10μ H, ± 10%	1	
L	50	INDUCTOR NL322522-R22K	0.22μ H± 10%	1	
L	51	INDUCTOR NL453232-1R0K	1.0μ H, ± 10%	1	
L	52	INDUCTOR NL453232-100K	10μ H, ± 10%	1	
L	53	NOT ASSIGNED			
L	54	NOT ASSIGNED			
L	55	NOT ASSIGNED			
L	56	NOT ASSIGNED			
L	57	NOT ASSIGNED			
L	58	NOT ASSIGNED			
L	59	NOT ASSIGNED			
L	60	INDUCTOR NL322522-R68K	0.68μ H± 10%	1	
L	61	INDUCTOR NL453232-1R0K	1.0μ H, ± 10%	1	
L	62	INDUCTOR NL453232-1R0K	1.0μ H, ± 10%	1	
L	63	INDUCTOR NL453232-101K	100μ H, ± 10%	1	

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ANRITSU CORP.

Parts List of: A2-A6 MAIN LOOP

Ref. No.	Part Code	Description	Rating	Qty	Note
L	64	INDUCTOR NL322522-R68K	0.68μ H± 10%	1	
L	65	NOT ASSIGNED			
L	66	INDUCTOR TSL0707-101KR66	100μ H	1	
L	67	NOT ASSIGNED			
L	68	INDUCTOR TSL0707-471KR30	470μ H	1	
L	69	INDUCTOR NL453232-101K	100μ H, ± 10%	1	
Q	1	DIODE 1SV164		1	
Q	2	DIODE 1SV164		1	
Q	3	DIODE 1SV164		1	
Q	4	TRANSISTOR 2SC2369		1	
Q	5	TRANSISTOR 2SC3356		1	
Q	6	DIODE 1SV128A		1	
Q	7	NOT ASSIGNED			
Q	8	DIODE 1SV164		1	
Q	9	DIODE HVM15		1	
Q	10	TRANSISTOR 2SC2369		1	
Q	11	TRANSISTOR 2SC3356		1	
Q	12	DIODE 1SV128A		1	
Q	13	IC NJU201AM		1	
Q	14	IC μ PC1675G		1	
Q	15	IC μ PC1675G		1	

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ANRITSU CORP.

Parts List of: A2-A6 MAIN LOOP

Ref. No.	Part Code	Description	Rating	Qty	Note
D	16	DIODE 1SS123		1	
D	17	ZENER DIODE RD7.5MB2		1	
D	18	ZENER DIODE RD7.5MB2		1	
D	19	NOT ASSIGNED			
D	20	NOT ASSIGNED			
IC	21	IC μ PC1677C		1	
IC	22	IC μ PC1652G		1	
IC	23	IC μ PC1677C		1	
IC	24	NOT ASSIGNED			
IC	25	NOT ASSIGNED			
Q	26	IC μ PC1652G		1	
Q	27	IC μ PC1652G		1	
Q	28	NOT ASSIGNED			
Q	29	NOT ASSIGNED			
Q	30	NOT ASSIGNED			
Q	31	IC LM6365M		1	
IC	32	IC μ PC79N08H		1	
IC	33	NOT ASSIGNED			
Q	34	IC NJU201AM		1	
Q	35	NOT ASSIGNED			
Q	36	IC μ PC1675G		1	
Q	37	IC μ PC1675G		1	
Q	38	IC μ PB587G		1	

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ANRITSU CORP.

Parts List of: A2-A6 MAIN LOOP

Ref. No.	Part Code	Description	Rating	Qty	Note
D	39	DIODE A1SS123		1	
D	40	DIODE A1SS123		1	
Q	41	IC PLL2001S		1	
IC	42	IC PLL2001S		1	
IC	43	IC MNC206FP		1	
Q	44	IC μ PC1677C		1	
Q	45	NOT ASSIGNED			
Q	46	IC 74HC14F		1	
R	1	CERMET RESISTOR RK73M2A332J	3.3KΩ ± 5%,1/10W	1	
R	2	CERMET RESISTOR RK73M2A101J	100Ω - 5%,1/10W	1	
R	3	CERMET RESISTOR RK73M2A102J	1KΩ - 5%,1/10W	1	
R	4	CERMET RESISTOR RK73M2A471J	470Ω - 5%,1/10W	1	
R	5	CERMET RESISTOR RK73M2A332J	3.3KΩ - 5%,1/10W	1	
R	6	CERMET RESISTOR RK73M2A472J	4.7KΩ ± 5%,1/10W	1	
R	7	CERMET RESISTOR RK73M2A682J	6.8KΩ - 5%,1/10W	1	
R	8	CERMET RESISTOR RK73M2A562J	5.6KΩ - 5%,1/10W	1	
R	9	CERMET RESISTOR RK73M2A150J	15Ω - 5%,1/10W	1	
R	10	CERMET RESISTOR RK73M2A331J	330Ω - 5%,1/10W	1	
R	11	CERMET RESISTOR RK73M2A181J	180Ω ± 5%,1/10W	1	
R	12	CERMET RESISTOR RK73M2A220J	22Ω ± 5%,1/10W	1	
R	13	CERMET RESISTOR RK73M2A102J	1KΩ ± 5%,1/10W	1	
R	14	CERMET RESISTOR RK73M2A102J	1KΩ - 5%,1/10W	1	

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DRAWING № 34W99302

ANRITSU CORP.

Parts List of A2-A6 MAIN LOOP

Ref No.	Part Code	Description	Rating	Qty	Note
R		CERMET RESISTOR	47Ω		
		RK73M2A471J	± 5%,1/10W	1	
R		CERMET RESISTOR	[illegible]		
		RK73M2A332J	[illegible]	1	
R		CERMET RESISTOR	4.7K		
		RK73M2A472J	[illegible]	1	
R		CERMET RESISTOR	[illegible]		
		RK73M2A682J	[illegible]	1	
R		CERMET RESISTOR	[illegible]		
		RK73M2A562J	[illegible]	1	
R		CERMET RESISTOR	1[illegible]		
		RK73M2A150J	[illegible],1/10W	1	
R		CERMET RESISTOR	[illegible]		
		RK73M2A331J	[illegible],1/10W	1	
R		CERMET RESISTOR	1[illegible]		
		RK73M2A181J	[illegible],1/10W	1	
R		CERMET RESISTOR	[illegible]		
		RK73M2A220J	[illegible],1/10W	1	
R		CERMET RESISTOR	[illegible]		
		RK73M2A102J	[illegible],1/10W	1	
R		CERMET RESISTOR	100[illegible]		
		RK73M2A101J	[illegible],1/10W	1	
R		CERMET RESISTOR	100[illegible]		
		RK73M2A101J	[illegible],1/10W	1	
R		CERMET RESISTOR	[illegible]		
		RK73M2A103J	[illegible],1/10W	1	
R		CERMET RESISTOR	[illegible]		
		RK73M2A220J	[illegible],1/10W	1	
R		CERMET RESISTOR	220[illegible]		
		RK73M2A221J	[illegible],1/10W	1	
R		CERMET RESISTOR	[illegible]		
		RK73M2A220J	[illegible],1/10W	1	
R		CERMET RESISTOR	[illegible]		
		RK73M2A221J	[illegible],1/10W	1	
R		CERMET RESISTOR	[illegible]		
		RK73M2A822J	[illegible],1/10W	1	
R		NOT ASSIGNED			
R		NOT ASSIGNED			
R		NOT ASSIGNED			
R		NOT ASSIGNED			
R		NOT ASSIGNED			

Dep.

ANRITSU CORP.

Parts List of: A2-A6 MAIN LOOP

Ref No.	Part Code	Description	Rating	Qty	Note
R	38	NOT ASSIGNED			
R	39	NOT ASSIGNED			
R	40	NOT ASSIGNED			
R	41	CERMET RESISTOR	220Ω		
		RK73M2A221J	± 5%,1/10W	1	
R	42	CERMET RESISTOR	22Ω		
		RK73M2A220J	± 5%,1/10W	1	
R	43	CERMET RESISTOR	220Ω		
		RK73M2A221J	± 5%,1/10W	1	
R	44	CERMET RESISTOR	470Ω		
		RK73M2A471J	± 5%,1/10W	1	
R	45	CERMET RESISTOR	10Ω		
		RK73M2A100J	± 5%,1/10W	1	
R	46	CERMET RESISTOR	470Ω		
		RK73M2A471J	± 5%,1/10W	1	
R	47	NOT ASSIGNED			
R	48	NOT ASSIGNED			
R	49	NOT ASSIGNED			
R	50	NOT ASSIGNED			
R	51	CERMET RESISTOR	47Ω		
		RK73M2A470J	± 5%,1/10W	1	
R	52	CERMET RESISTOR	220Ω		
		RK73M2A221J	± 5%,1/10W	1	
R	53	CERMET RESISTOR	22Ω		
		RK73M2A220J	± 5%,1/10W	1	
R	54	CERMET RESISTOR	220Ω		
		RK73M2A221J	± 5%,1/10W	1	
R	55	NOT ASSIGNED			
R	56	CERMET RESISTOR	10Ω		
		RK73M2A100J	± 5%,1/10W	1	
R	57	NOT ASSIGNED			
R	58	CERMET RESISTOR	150Ω		
		RK73M2A151J	± 5%,1/10W	1	
R	59	CERMET RESISTOR	39Ω		
		RK73M2A390J	± 5%,1/10W	1	
R	60	CERMET RESISTOR	150Ω		
		RK73M2A151J	± 5%,1/10W	1	

Dep.

* Selected at factory

DRAWING No. 34W99302 17/19

ANRITSU CORP.

Parts List of A2-A6 MAIN LOOP

Ref No.	Part Code	Description	Rating	Qty	Note
R		CERMET RESISTOR	[illegible]		
		RK73M2A510J	[illegible]		
R		CERMET RESISTOR	[illegible]		
		RK73M2A331J	[illegible],1/10W		
R		CERMET RESISTOR	[illegible]		
		RK73M2A682J	[illegible],1/10W	1	
R		CERMET RESISTOR	10[illegible]		
		RK73M2A103J	± 5%,1/10W	1	
R		CERMET RESISTOR	22K[illegible]		
		RK73M2A223J	[illegible],1/10W	1	
R		CERMET RESISTOR	22K[illegible]		
		RK73M2A223J	[illegible],1/10W		
R		NOT ASSIGNED			
R		NOT ASSIGNED			
R		NOT ASSIGNED			
R	70	NOT ASSIGNED			
R	71	NOT ASSIGNED			
R	72	NOT ASSIGNED			
R	73	NOT ASSIGNED			
R	74	NOT ASSIGNED			
R	75	NOT ASSIGNED			
R	76	NOT ASSIGNED			
R	77	NOT ASSIGNED			
R	78	NOT ASSIGNED			
R	79	NOT ASSIGNED			
R	80	NOT ASSIGNED			
R	81	CERMET RESISTOR	51Ω		
		RK73M2A510J	± 5%,1/10W	1	
R	82	CERMET RESISTOR	150Ω		
		RK73M2A151J	± 5%,1/10W	1	
R	83	CERMET RESISTOR	39Ω		
		RK73M2A390J	± 5%,1/10W	1	

Dep.

* Selected at factory

DRAWING No. 34W99302 18/19

ANRITSU CORP.

Parts List of: A2-A6 MAIN LOOP

Ref No.	Part Code	Description	Rating	Qty	Note
R	84	CERMET RESISTOR	150Ω		
		RK73M2A151J	± 5%,1/10W	1	
R	85	CERMET RESISTOR	51Ω		
		RK73M2A510J	± 5%,1/10W	1	
R	86	CERMET RESISTOR	1KΩ		
		RK73M2A102J	± 5%,1/10W	1	
R	87	CERMET RESISTOR	4.7Ω		
		RK73M2A4R7J	± 5%,1/10W	1	
R	88	CERMET RESISTOR	1KΩ		
		RK73M2A102J	± 5%,1/10W	1	
R	89	CERMET RESISTOR	100Ω		
		RK73M2A101J	± 5%,1/10W	1	
R	90	CERMET RESISTOR	68Ω		
		RK73M2A680J	± 5%,1/10W	1	
R	91	CERMET RESISTOR	100Ω		
		RK73M2A101J	± 5%,1/10W	1	
R	92	CERMET RESISTOR	33KΩ		
		RK73M2A333J	± 5%,1/10W	1	
R	93	CERMET RESISTOR	220Ω		
		RK73M2A221J	± 5%,1/10W	1	
R	94	CERMET RESISTOR	51Ω		
		RK73M2A510J	± 5%,1/10W	1	
W	1	COAXIAL CABLE			
		34J99143		1	
Z	1	MIXER			
		M-18X		1	
Z	2	MIXER			
		M-18X		1	
Z	3	MIXER			
		M-8		1	
Z	4	BPF	110MHZ		335BBXS-
		AKLT-110MA	B.P.F.	1	0399

Dep.

* Selected at factory

DRAWING No. 34W99302 19/19

ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

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Ref No.	Part Code	Description	Rating	Qty	Note
C 1		CER CAP	0.01μ F		
		CK732B1H103K	± 10%.50V	1	
C 2		CER CAP	0.01μ F		
		CK732B1H103K	± 10%.50V	1	
C 3		CER CAP	3pF ±0.5pF		
		CC732CJ1H030C	±0.25pF		
C 4		CER CAP	5pF ±0.5pF		
		CC732CH1H050D	±0.5pF	1	
C 5		CER CAP	5pF ±0.5pF		
		CC732CH1H050D	±0.5pF		
C 6		CER CAP	3pF ±0.5pF		
		CC732CJ1H030C	±0.25pF	1	
C 7		CER CAP	5pF ±0.5pF		
		CC732CH1H050D	±0.5pF	1	
C 8		CER CAP	8pF ±0.5pF		
		CC732CH1H080D	±0.5pF	1	
C 9		CER CAP	8pF ±0.5pF		
		CC732CH1H080D	±0.5pF	1	
C 10		CER CAP	5pF ±0.5pF		
		CC732CH1H050D	±0.5pF		
C 11		CER CAP	0.01μ F		
		CK732B1H103K	± 10%.50V	1	
C 12		CER CAP	1000pF		
		CK732B1H102K	± 10%.50V	1	
C 13		CER CAP	1000pF		
		CK732B1H102K	± 10%.50V	1	
C 14		CER CAP	0.01μ F		
		CK732B1H103K	± 10%.50V	1	
C 15		CER CAP	0.01μ F		
		CK732B1H103K	± 10%.50V		
C 16		CER CAP	1000pF		
		CK732B1H102K	± 10%.50V	1	
C 17		CER CAP	0.01μ F		
		CK732B1H103K	± 10%.50V	1	
C 18		CER CAP	0.01μ F		
		CK732B1H103K	± 10%.50V	1	
C 19		CER CAP	1000pF		
		CK732B1H102K	± 10%.50V	1	
C 20		CER CAP	0.01μ F		
		CK732B1H103K	± 10%.50V		
C 21		CER CAP	6pF ±0.5pF		
		CC732CH1H060D	±0.5pF	1	
C 22		CER CAP	9pF ±0.5pF		
		CC732CH1H090D	±0.5pF		
C 23		CER CAP	9pF ±0.5pF		
		CC732CH1H090D	±0.5pF		

Dep.

ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref No.	Part Code	Description	Rating	Qty	Note
C 24		CER CAP	6pF ±0.5pF		
		CC732CH1H060D	±0.5pF	1	
C 25		CER CAP	10pF		
		CC732CH1H100D	±0.5pF ±0.5pF	1	
C 26		CER CAP	18pF		
		CC732CH1H180J	±5%.50V	1	
C 27		CER CAP	18pF		
		CC732CH1H180J	±5%.50V	1	
C 28		CER CAP	10pF		
		CC732CH1H100D	±0.5pF.50V	1	
C 29		CER CAP	0.01μ F		
		CK732B1H103K	±10%.50V	1	
C 30		CER CAP	1000pF		
		CK732B1H102K	±10%.50V	1	
C 31		CER CAP	0.01μ F		
		CK732B1H103K	±10%.50V	1	
C 32		CER CAP	0.01μ F		
		CK732B1H103K	±10%.50V		
		CER CAP	1000pF		
		CK732B1H102K	±10%.50V	1	
C 34		CER CAP	0.01μ F		
		CK732B1H103K	±10%.50V		
C 35		CER CAP	0.01μ F		
		CK732B1H103K	±10%.50V	1	
C 36		CER CAP	1000pF		
		CK732B1H102K	±10%.50V		
C 37		CER CAP	0.01μ F		
		CK732B1H103K	±10%.50V	1	
C 38		CER CAP	12pF		
		CC732CH1H120J	±5%.50V	1	
C 39		CER CAP	22pF		
		CC732CH1H220J	±5%.50V	1	
C 40		CER CAP	22pF		
		CC732CH1H220J	±5%.50V	1	
C 41		CER CAP	12pF		
		CC732CH1H120J	±5%.50V	1	
C 42		CER CAP	22pF		
		CC732CH1H220J	±5%.50V	1	
C 43		CER CAP	33pF		
		CC732CH1H330J	±5%.50V		
C 44		CER CAP	33pF		
		CC732CH1H330J	±5%.50V	1	
C 45		CER CAP	22pF		
		CC732CH1H220J	±5%.50V		
C 46		CER CAP	0.01μ F		
		CK732B1H103K	±10%.50V		

Dep.

ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref No.	Part Code	Description	Rating	Qty	Note
C 47		NOT ASSIGNED			
C 48		NOT ASSIGNED			
C 49		CER CAP	0.01μ F		
		CK732B1H103K	±10%.50V		
C 50		CER CAP	100pF		
		CC732CH1H101J	±5%.50V	1	
C 51		CER CAP	0.01μ F		
		CK732B1H103K	±10%.50V	1	
C 52		CER CAP	1000pF		
		CK732B1H102K	±10%.50V	1	
C 53		CER CAP	1000pF		
		CK732B1H102K	±10%.50V	1	
C 54		NOT ASSIGNED			
C 55		NOT ASSIGNED			
C 56		NOT ASSIGNED			
C 57		NOT ASSIGNED			
C 58		NOT ASSIGNED			
C 59		NOT ASSIGNED			
C 60		CER CAP	0.01μ F		
		CK732B1H103K	±10%.50V		
C 61		CER CAP	220pF		
		CC732CH1H221J	±5%.50V	1	
C 62		CER CAP	0.5pF.50V		
		CC732CK1H0R5C	±0.25pF	1	
C 63		CER CAP	0.5pF.50V		
		CC732CK1H0R5C	±0.25pF	1	
C 64		CER CAP	0.5pF.50V		
		CC732CK1H0R5C	±0.25pF	1	
C 65		CER CAP	0.5pF.50V		
		CC732CK1H0R5C	±0.25pF	1	
C 66		CER CAP	3pF.50V		
		CC732CJ1H030C	±0.25pF	1	
C 67		CER CAP	5pF.50V		
		CC732CH1H050D	±0.5pF	1	
C 68		CER CAP	3pF.50V		
		CC732CJ1H030C	±0.25pF	1	
C 69		CER CAP	1000pF		
		CK732B1H102K	±10%.50V	1	

Dep.

ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref No.	Part Code	Description	Rating	Qty	Note
C 70		CER CAP	1000pF		
		CK732B1H102K	±10%.50V		
C 71		CER CAP	0.01μ F		
		CK732B1H103K	±10%.50V	1	
C 72		CER CAP	0.01μ F		
		CK732B1H103K	±10%.50V		
C 73		CER CAP	0.01μ F		
		CK732B1H103K	±10%.50V		
C 74		CER CAP	0.01μ F		
		CK732B1H102K	±10%.50V	1	
C 75		CER CAP	15pF		
		CC732CH1H150J	±5%.50V		
C 76		CER CAP	33pF		
		CC732CH1H330J	±5%.50V	1	
C 77		CER CAP	33pF		
		CC732CH1H330J	±5%.50V	1	
C 78		CER CAP	15pF		
		CC732CH1H150J	±5%.50V		
C 79		CER CAP	0.01μ F		
		CK733B1H104K	±5%.50V		
C 80		CER CAP	0.1μ F		
		CK733B1H104K	±5%.50V		
C 81		TA ELECTLT CAP	4.7μ F		
		CS732E1D335M	±20%.25V	1	
C 82		TA ELECTLT CAP	4.7μ F		
		CS732E1D335M	±20%.25V		
C 83		CER CAP	0.01μ F		
		CK732B1H103K	±10%.50V	1	
C 84		CER CAP	0.01μ F		
		CK732B1H103K	±10%.50V	1	
C 85		CER CAP	0.01μ F		
		CK732B1H103K	±10%.50V	1	
C 86		CER CAP	15pF		
		CC732CH1H150J	±5%.50V		
C 87		CER CAP	33pF		
		CC732CH1H330J	±5%.50V	1	
C 88		CER CAP	15pF		
		CC732CH1H150J	±5%.50V		
C 89		CER CAP	0.1μ F		
		CK733B1H104K	±5%.50V	1	
C 90		CER CAP	0.01μ F		
		CK732B1H103K	±10%.50V	1	
C 91		CER CAP	100pF		
		CC732CH1H101J	±5%.50V	1	
C 92		CER CAP	0.01μ F		
		CK732B1H103K	±10%.50V		

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ANRITSU CORP.

Parts List of A2-A7 OUTPUT

Ref No.	Part Code	Description	Rating	Qty	Note
		CER CAP	[illegible]		
		CC732CJ1H030C	[illegible]	1	
		CER CAP	[illegible]		
		CC732CH1H050D	[illegible]	1	
		CER CAP	[illegible]		
		CC732CJ1H030C	[illegible]	1	
		CER CAP	[illegible]		
		CC732CK1H020C	[illegible]	1	
		CER CAP	[illegible]		
		CK732B1H103K	± 10%,50V		
		CER CAP	100p F		
		CC732CH1H101J	± 5%,50V		
		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V		
		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V		
		CER CAP	1000p F		
		CK732B1H102K	± 10%,50V		
		NOT ASSIGNED			
		NOT ASSIGNED			
		NOT ASSIGNED			
		NOT ASSIGNED			
		NOT ASSIGNED			
		NOT ASSIGNED			
		NOT ASSIGNED			
		NOT ASSIGNED			
		NOT ASSIGNED			
		NOT ASSIGNED			
		NOT ASSIGNED			

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ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref No.	Part Code	Description	Rating	Qty	Note
C 116		NOT ASSIGNED			
C 117		NOT ASSIGNED			
C 118		NOT ASSIGNED			
C 119		NOT ASSIGNED			
C 120		NOT ASSIGNED			
C 121		NOT ASSIGNED			
C 122		NOT ASSIGNED			
C 123		NOT ASSIGNED			
C 124		NOT ASSIGNED			
C 125		NOT ASSIGNED			
C 126		NOT ASSIGNED			
C 127		NOT ASSIGNED			
C 128		NOT ASSIGNED			
C 129		NOT ASSIGNED			
C 130		NOT ASSIGNED			
C 131		CER CAP	100p F		
		CC732CH1H101J	± 5%,50V	1	
C 132		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 133		CER CAP	100p F		
		CC732CH1H101J	± 5%,50V	1	
C 134		CER CAP	2p F,50V		
		CC732CK1H020C	± 0.25p F	1	
C 135		CER CAP	0.5p F,50V		
		CC732CK1H0R5C	± 0.25p F	1	
C 136		CER CAP	2p F,50V		
		CC732CK1H020C	± 0.25p F	1	
C 137		CER CAP	100p F		
		CC732CH1H101J	± 5%,50V	1	
C 138		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	

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ANRITSU CORP.

Parts List of A2-A7 OUTPUT

Ref No.	Part Code	Description	Rating	Qty	Note
		[illegible]	[illegible]		
		[illegible]	[illegible]		
		CER CAP	[illegible]		
		CK732B1H103K	[illegible]		
C 141		TA ELECTLT CAP	[illegible]		
		CS732E1C475M	[illegible]		
C 142		CER CAP			
		CK732B1H103K	± 10%,50V		
C 143		CER CAP	[illegible]		
		CC732CK1H010C	0.25p F	1	
C 144		CER CAP	[illegible]		
		CC732CJ1H030C	[illegible]	1	
C 145		CER CAP	3p F [illegible]		
		CC732CJ1H030C	± 0.25p F		
C 146		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V		
C 147		NOT ASSIGNED			
C 148		NOT ASSIGNED			
C 149		NOT ASSIGNED			
C 150		NOT ASSIGNED			
C 151		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 152		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 153		CHIP,CER CAP	1.5p F,50V		
		GRM40CK1R5B50		1	
C 154		CHIP,CER CAP	1p F,50V		
		GRM40CK010B50		1	
C 155		CHIP,CER CAP	[illegible]		
		GRM40CK1R5B50		1	
C 156		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 157		CHIP,CER CAP	1.5p F,50V		
		GRM40CK1R5B50		1	
C 158		CHIP,CER CAP	2p F,50V		
		GRM40CK020B50		1	
C 159		CER CAP	3p F,50V		
		CC732CJ1H030C	± 0.25p F	1	
C 160		CHIP,CER CAP	2p F,50V		
		GRM40CK020B50		1	
C 161		CER CAP	3p F,50V		
		CC732CJ1H030C	± 0.25p F	1	

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ANRITSU CORP.

Parts List of A2-A7 OUTPUT

Ref No.	Part Code	Description	Rating	Qty	Note
		CHIP,CER CAP	[illegible]		
		GRM40CK020B50			
		CER CAP	[illegible]		
		CC732CJ1H030C	[illegible]		
		CHIP,CER CAP	2p F,50V		
		GRM40CK020B50		1	
		CHIP,CER CAP	[illegible]		
		GRM40CK020B50		1	
		CHIP,CER CAP	[illegible]		
		GRM40CK1R5B50		1	
C 167		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 168		CHIP,CER CAP	[illegible]		
		GRM40CK010B50		1	
C 169		CHIP,CER CAP	[illegible]		
		GRM40CK0R5B50		1	
C 170		CHIP,CER CAP	[illegible]		
		GRM40CK1R5B50		1	
C 171		CHIP,CER CAP	[illegible]		
		GRM40CK020B50		1	
C 172		CHIP,CER CAP	[illegible]		
		GRM40CK1R5B50		1	
C 173		CHIP,CER CAP	2p F,50V		
		GRM40CK020B50		1	
C 174		CHIP,CER CAP	0.5p F,50V		
		GRM40CK0R5B50		1	
C 177		CHIP,CER CAP	1p F,50V		
		GRM40CK010B50			
C 178		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 179		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 180		CHIP,CER CAP	1p F,50V		
		GRM40CK010B50		1	
C 181		CHIP,CER CAP	0.75p F,50V		
		GRM40CKR75B50		1	
C 182		CHIP,CER CAP	0.75p F,50V		
		GRM40CKR75B50		1	
C 183		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
C 184		CHIP,CER CAP	0.75p F,50V		
		GRM40CKR75B50		1	

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ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
C 185		CHIP,CER CAP	[illegible]		
		GRM40CK0R5B50			
C 186		CHIP,CER CAP	1p [illegible]		
		GRM40CK010B50			
C 187		CHIP,CER CAP	1p [illegible]		
		GRM40CK010B50			
C 188		CHIP,CER CAP	1p [illegible]		
		GRM40CK010B50			
C 189		CHIP,CER CAP	1p [illegible]		
		GRM40CK010B50			
C 190		CHIP,CER CAP	1p [illegible]		
		GRM40CK010B50			
C 191		CHIP,CER CAP	1p F,50V		
		GRM40CK010B50			
C 192		CHIP,CER CAP	0.75p F,50V		
		GRM40CKR75B50			
C 193		CHIP,CER CAP	0.5p F,50V		
		GRM40CK0R5B50			
C 194		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V		
C 195		NOT ASSIGNED			
C 196		CHIP,CER CAP	0.5p F,50V		
		GRM40CK0R5B50			
C 197		CHIP,CER CAP	1p F,50V		
		GRM40CK010B50			
C 198		CHIP,CER CAP	0.75p F,50V		
		GRM40CKR75B50			
C 199		CHIP,CER CAP	1p F,50V		
		GRM40CK010B50			
C [illegible]		CHIP,CER CAP	0.75p F,50V		
		GRM40CKR75B50			
C [illegible]		CHIP,CER CAP	1p F,50V		
		GRM40CK010B50			
C [illegible]		CHIP,CER CAP	0.75p F,50V		
		GRM40CKR75B50			
C 203		NOT ASSIGNED			
C 204		CHIP,CER CAP	0.5p F,50V		
		GRM40CK0R5B50			
C [illegible]		CER CAP	3p F,50V		
		CC732CJ1H030C	± 0.25p F		
C [illegible]		CER CAP	100p F		
		CC732CH1H101J	± 5%,50V		
C [illegible]		NOT ASSIGNED			

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[illegible] 34W99303 [illegible]

ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
C 208		NOT ASSIGNED			
C 209		NOT ASSIGNED			
C 210		NOT ASSIGNED			
C 211		NOT ASSIGNED			
C 212		NOT ASSIGNED			
C 213		NOT ASSIGNED			
C 214		NOT ASSIGNED			
C 215		NOT ASSIGNED			
C 216		NOT ASSIGNED			
C 217		NOT ASSIGNED			
C 218		NOT ASSIGNED			
C 219		NOT ASSIGNED			
C 220		NOT ASSIGNED			
C 221		NOT ASSIGNED			
C 222		NOT ASSIGNED			
C 223		NOT ASSIGNED			
C 224		NOT ASSIGNED			
C 225		NOT ASSIGNED			
C 226		NOT ASSIGNED			
C 227		NOT ASSIGNED			
C 228		NOT ASSIGNED			
C 229		NOT ASSIGNED			
C 230		NOT ASSIGNED			

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[illegible] 34W99303 10/48

ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
C 231		NOT ASSIGNED			
C 232		NOT ASSIGNED			
C 233		NOT ASSIGNED			
C 234		NOT ASSIGNED			
C 235		NOT ASSIGNED			
C 236		NOT ASSIGNED			
C 237		NOT ASSIGNED			
C 238		NOT ASSIGNED			
C 239		NOT ASSIGNED			
C 240		NOT ASSIGNED			
C 241		NOT ASSIGNED			
C 242		NOT ASSIGNED			
C 243		NOT ASSIGNED			
C 244		NOT ASSIGNED			
C 245		NOT ASSIGNED			
C 246		NOT ASSIGNED			
C 247		NOT ASSIGNED			
C 248		NOT ASSIGNED			
C 249		NOT ASSIGNED			
C 250		NOT ASSIGNED			
C 251		NOT ASSIGNED			
C 252		NOT ASSIGNED			
C 253		NOT ASSIGNED			

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[illegible] 34W99303 11/48

ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
C 254		NOT ASSIGNED			
C 255		NOT ASSIGNED			
C 256		NOT ASSIGNED			
C 257		NOT ASSIGNED			
C 258		NOT ASSIGNED			
C 259		NOT ASSIGNED			
C 260		NOT ASSIGNED			
C 261		NOT ASSIGNED			
C 262		NOT ASSIGNED			
C 263		NOT ASSIGNED			
C 264		NOT ASSIGNED			
C 265		NOT ASSIGNED			
C 266		NOT ASSIGNED			
C 267		NOT ASSIGNED			
C 268		NOT ASSIGNED			
C 269		NOT ASSIGNED			
C 270		NOT ASSIGNED			
C 271		NOT ASSIGNED			
C 272		NOT ASSIGNED			
C 273		NOT ASSIGNED			
C 274		NOT ASSIGNED			
C 275		NOT ASSIGNED			
C 276		NOT ASSIGNED			

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ANRITSU CORP.

Parts List of A2-A7 OUTPLT

Ref No.	Part Code	Description	Rating	Qty	Note
		NOT ASSIGNED			
		NOT ASSIGNED			
		NOT ASSIGNED			

Parts List of A2-A7 OUTPLT

Ref No.	Part Code	Description	Rating	Qty	Note
C 369		CC732CK1H020C	0.25p F	1	
C 370		CER CAP	2p F,50V	1	
		CC732CK1H020C	0.25p F	1	
C 371		CER CAP	2p F,50V	1	
		CC732CH1H220J	22p F,50V	1	
		CER CAP	1p F		
		CK733B1H104K	0.1μ F		
		CER CAP	1p F		
		CK732B1H103K	0.01μ F		
		CER CAP	1p F		
		CC732CH1H102J	1000p F		
C 377		CER CAP	1p F		
		CC732CH1H101J	100p F		
		CER CAP	1p F		
		CC732CH1H101J	100p F		
		CER CAP	1p F		
		CC732CH1H101J	100p F		
		CER CAP	1p F		
		CC732CH1H101J	100p F		
		CER CAP	5p F,50V		
		CC732CH1H050D	0.5p F		
		CER CAP	0.1μ F		
		CK733B1H104K	± 5% 50V		
		CER CAP	100p F		
		CC732CH1H101J	5% 50V		
		CER CAP	0.1μ F		
		CK733B1H104K	5% 50V		
		CER CAP	100p F		
		CC732CH1H101J	5% 50V		
		CER CAP	1p F		
		CK733B1H104K	0.1μ F		
		CER CAP	1p F		
		CK737F1H105Z	1μ F		
		CER CAP	1p F		
		CK737F1H105Z	1μ F		
		CER CAP	1p F		
		CC732CH1H220J	22p F		
		CER CAP	1p F		
		CC732CH1H470J	47p F		
		CER CAP	0.1μ F		
		CK733B1H104K	0.1μ F		
		CER CAP	1p F		
		CK733B1H104K	0.1μ F		

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Parts List of A2-A7 OUTPLT

Ref No.	Part Code	Description	Rating	Qty	Note
392		CER CAP	2p F		
		CK733B1H104K	0.1μ F,50V	1	
C 393		AL ELECTLT CAP	47μ F		
		CE04C1E470A	25V,85℃	1	
C 394		CER CAP	2p F		
		CK733B1H104K	0.1μ F,50V	1	
		CER CAP	2p F		
		CK733B1H104K	0.1μ F,50V		
396		NOT ASSIGNED			
397		CER CAP	0.01μ F		
		CK732B1H103K	± 10%,50V	1	
398		CER CAP	2p F,50V		
		CC732CK1H020C	± 0.25p F	1	
C 399		CER CAP	2p F,50V		
		CC732CK1H020C	± 0.25p F	1	
J		CABLE	2P		
		008261-0333-11852			
J 2		CABLE	2P		
		008261-0242-00870			
L		INDUCTOR	0.47μ H± 10%		
		NL322522-K47K			
L 2		PATTERN COIL	4mm		
L 3		PATTERN COIL	4mm		
L 4		PATTERN COIL	4mm	1	
L 5		PATTERN COIL	14mm	1	
L 6		PATTERN COIL	14mm		
L 7		PATTERN COIL	14mm	1	
L 8		INDUCTOR	1.0μ H		
		34L74431J		1	
L 9		INDUCTOR	1.0μ H		
		34L74431J		1	
L 10		INDUCTOR	1.0μ H		
		34L74431J		1	

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Parts List of A2-A7 OUTPLT

Ref No.	Part Code	Description	Rating	Qty	Note
L 11		INDUCTOR	1.0μ H	1	
		34L74430L			
L 12		INDUCTOR	2.2μ H		
		34L74430L			
L 13		INDUCTOR	2.2μ H		
		34L74430L			
L 14		INDUCTOR	4.7μ H		
		NL322522-R47K			
L 15		INDUCTOR	4.0μ H		
		34L74431L			
L 16		INDUCTOR	4.0μ H		
		34L74431L			
L 17		INDUCTOR	4.0μ H		
		34L74431L			
L 18		INDUCTOR	0.47μ H± 10%		
		NL322522-R47K			
L 19		INDUCTOR	1.0μ H		
		34L74431M			
L 20		INDUCTOR	1.0μ H		
		34L74431M			
L 21		INDUCTOR	1.0μ H		
		34L74431M			
L 22		INDUCTOR	0.47μ H± 10%		
		NL322522-R47K			
L 23		INDUCTOR	0.47μ H± 10%		
		NL322522-R47K			
L 24		INDUCTOR	0.47μ H± 10%		
		NL322522-R47K			
L 25		NOT ASSIGNED			
L 26		NOT ASSIGNED			
L 27		NOT ASSIGNED			
L 28		NOT ASSIGNED			
L 29		NOT ASSIGNED			
L 30		NOT ASSIGNED			
L 31		INDUCTOR	1.0μ H± 10%		
		NL453232-1R0K		1	
L 32		INDUCTOR	0.47μ H± 10%		
		NL322522-R47K		1	
L 33		PATTERN COIL	L=14mm		
			W=0.35mm	1	

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Parts List of A2-A7 OUTPLT

Ref No.	Part Code	Description	Rating	Qty	Note
L 34		PATTERN COIL	4mm		
L 35		INDUCTOR	0.47μ H± 10%		
		NL322522-R47K			
L 36		INDUCTOR	1.0μ H		
		NL322522-R10K			
L 37		INDUCTOR	1.0μ H		
		NL322522-R10K			
L 38		INDUCTOR	1.0μ H		
		NL322522-R10K			
L 39		INDUCTOR	220μ H		
		NL453232-221K			
L 40		INDUCTOR	470μ H± 10%		
		NL453232-471K			
L 41		INDUCTOR	1.0μ H		
		NL322522-R10K			
L 42		INDUCTOR	1.0μ H		
		NL322522-R10K			
L 43		INDUCTOR	470μ H± 10%		
		NL453232-471K			
L 44		CHOKE COIL			
		342T61287			
L 45		INDUCTOR	0.47μ H± 10%		
		NL322522-R47K			
L 46		INDUCTOR	0.47μ H± 10%		
		NL322522-R47K			
L 47		PATTERN COIL	4mm		
L 48		PATTERN COIL	4mm		
L 49		INDUCTOR	0.47μ H± 10%		
		NL322522-R47K			
L 50		INDUCTOR	0.68μ H± 10%		
		NL322522-R68K			
L 51		NOT ASSIGNED			
L 52		NOT ASSIGNED			
L 53		NOT ASSIGNED			
L 54		NOT ASSIGNED			
L 55		NOT ASSIGNED			
L 56		NOT ASSIGNED			

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Parts List of: A2-A7 OUTPLT

Ref No.	Part Code	Description	Rating	Qty	Note
		NOT ASSIGNED			
		NOT ASSIGNED			
		NOT ASSIGNED			
		NOT ASSIGNED			
61		INDUCTOR NL322522-R47K	0.47μ H± 10%	1	
		PATTERN COIL	1.0m m	1	
		PATTERN COIL	2.0m m	1	
64		PATTERN COIL	3.0 m	1	
		NOT ASSIGNED			
		NOT ASSIGNED			
		NOT ASSIGNED			
		NOT ASSIGNED			
		NOT ASSIGNED			
		PATTERN COIL	5.0 m	1	
		PATTERN COIL	6.0 m	1	
		PATTERN COIL	7.0 m	1	
		PATTERN COIL	8.0 m	1	
74		PATTERN COIL	1.0 m m	1	
		PATTERN COIL	1.0 m m	1	
		PATTERN COIL	1.0 m m	1	
		PATTERN COIL			
		PATTERN			
78		PATTERN			
		PATTERN			

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Parts List of: A2-A7 OUTPLT

Ref No.	Part Code	Description	Rating	Qty	Note
80		PATTERN COIL	1.0m m	1	
81		PATTERN COIL	1.0m m	1	
82		PATTERN COIL	1.0m m	1	
83		PATTERN COIL	1.0m m	1	
84		PATTERN COIL	1.0m m	1	
85		PATTERN COIL	1.0m m	1	
86		PATTERN COIL	1.0m m	1	
87		PATTERN COIL	1.0m m	1	
88		PATTERN COIL	1.0m m	1	
89		PATTERN COIL	1.0m m	1	
90		PATTERN COIL	1.0m m	1	
91		PATTERN COIL	1.0m m	1	
92		PATTERN COIL	1.0m m	1	
93		PATTERN COIL	1.0m m	1	
94		PATTERN COIL	1.0m m	1	
95		PATTERN COIL	1.0m m	1	
96		PATTERN COIL	1.0m m	1	
97		PATTERN COIL	1.0m m	1	
98		NOT ASSIGNED			
99		NOT ASSIGNED			
100		NOT ASSIGNED			
101		NOT ASSIGNED			
102		NOT ASSIGNED			

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Parts List of: A2-A7 OUTPLT

Ref No.	Part Code	Description	Rating	Qty	Note
		NOT ASSIGNED			
108		NOT ASSIGNED			
109		NOT ASSIGNED			
110		NOT ASSIGNED			
111		NOT ASSIGNED			
112		NOT ASSIGNED			
113		NOT ASSIGNED			
114		NOT ASSIGNED			
115		NOT ASSIGNED			
116		NOT ASSIGNED			
117		NOT ASSIGNED			
118		NOT ASSIGNED			
119		NOT ASSIGNED			
120		NOT ASSIGNED			
121		NOT ASSIGNED			
122		INDUCTOR SP0408-R15K	0.15μ H± 10%	1	
123		INDUCTOR NL322522-R15K	0.15μ H± 10%	1	
124		INDUCTOR NL322522-R15K	0.15μ H± 10%	1	
125		NOT ASSIGNED			

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Parts List of: A2-A7 OUTPLT

Ref No.	Part Code	Description	Rating	Qty	Note
		INDUCTOR TSL0707-101KR66			
		INDUCTOR NL453232-101K	100μ H	1	
		INDUCTOR TSL0707-101KR66	100μ H	1	
		NOT ASSIGNED			
		NOT ASSIGNED			
		CHOKE COIL 342T61287		1	
		INDUCTOR NL453232-102K	1000μ H	1	
		PATTERN COIL			
		CHOKE COIL 342T61287		1	
		INDUCTOR NL453232-102K	1000μ H	1	
		CHOKE COIL 342T61287		1	
		CHOKE COIL 342T61287		1	
138		INDUCTOR TSL0707-471KR30	470μ H	1	
139		CHOKE COIL 342T61287		1	
140		CHOKE COIL 342T61287		1	
141		INDUCTOR TSL0707-471KR30	470μ H	1	
142		PATTERN COIL		1	
Q 1		DIODE 1SV128A			
Q 2		DIODE 1SV128A		1	
Q 3		DIODE 1SV128A		1	
Q 4		DIODE 1SV128A		1	
Q 5		DIODE 1SV128A		1	

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Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
Q 6		DIODE 1SV128A		1	
Q 7		DIODE 1SV128A		1	
C 8					
Q 9		μ PB581C 1C μ PC1677C		1	
Q 10		DIODE 1SV128A		1	
Q 11		DIODE 1SV128A		1	
C 12		DIODE 1SV128A		1	
C 13		DIODE 1SV128A		1	
Q 14		DIODE 1SV128A		1	
C 15		DIODE 1SV128A		1	
Q 16		DIODE 1SV128A		1	
C 17					
IC 18		μ PB581C IC μ PC1677C		1	
C 19		DIODE 1SV128A		1	
C 20		DIODE 1SV128A		1	
C 21		DIODE 1SV128A		1	
C 22		DIODE 1SV128A		1	
C 23		DIODE 1SV128A		1	
C 24		DIODE 1SV128A		1	
C 25		DIODE 1SV128A		1	
Q 26		DIODE 1SV128A		1	
C 27		DIODE 1SV128A		1	
C 28		NOT ASSIGNED			

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ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
C 29		NOT ASSIGNED			
C 30		NOT ASSIGNED			
C 31		NOT ASSIGNED			
C 32		NOT ASSIGNED			
C 33		NOT ASSIGNED			
Q 34		NOT ASSIGNED			
Q 35		NOT ASSIGNED			
Q 36		NOT ASSIGNED			
Q 37		NOT ASSIGNED			
Q 38		NOT ASSIGNED			
Q 39		NOT ASSIGNED			
Q 40		NOT ASSIGNED			
Q 41		DIODE 1SV128A		1	
Q 42		DIODE 1SV128A		1	
Q 43		DIODE 1SV128A		1	
Q 44		DIODE 1SV128A		1	
Q 45		DIODE 1SV128A		1	
Q 46		DIODE 1SV128A		1	
Q 47		DIODE 1SV128A		1	
Q 48		DIODE 1SV128A		1	
Q 49		DIODE 1SV128A		1	
Q 50		DIODE 1SV128A		1	
C 51		DIODE 1SV128A		1	

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ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
C 52		DIODE 1SV128A		1	
C 53		DIODE 1SV128A		1	
C 54		DIODE 1SV128A		1	
IC 55		IC μ PC1677C		1	
C 56		IC MMA130		1	
C 57		DIODE 1SV128A			
C 58		DIODE 1SV128A		1	
C 59		NOT ASSIGNED			
Q 60		NOT ASSIGNED			
C 61		NOT ASSIGNED			
C 62		NOT ASSIGNED			
C 63		NOT ASSIGNED			
Q 64		NOT ASSIGNED			
C 65		NOT ASSIGNED			
Q 66		NOT ASSIGNED			
Q 67		NOT ASSIGNED			
C 68		NOT ASSIGNED			
Q 69		NOT ASSIGNED			
Q 70		NOT ASSIGNED			
Q 71		NOT ASSIGNED			
Q 72		NOT ASSIGNED			
Q 73		NOT ASSIGNED			
Q 74		NOT ASSIGNED			

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ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
C 75		NOT ASSIGNED			
C 76		NOT ASSIGNED			
Q 77		NOT ASSIGNED			
Q 78		NOT ASSIGNED			
Q 79		NOT ASSIGNED			
Q 80		NOT ASSIGNED			
Q 81		IC μ PC1677C		1	
Q 82		TRANSISTOR 2SC3604		1	
Q 83		ZENER DIODE RD7.5MB2		1	
Q 84		NOT ASSIGNED			
Q 85		NOT ASSIGNED			
C 86		NOT ASSIGNED			
Q 87		NOT ASSIGNED			
C 88		NOT ASSIGNED			
C 89		NOT ASSIGNED			
Q 90		NOT ASSIGNED			
Q 91		DIODE 1SV128A		1	
Q 92		DIODE 1SV128A		1	
Q 93		DIODE 1SV128A		1	
Q 94		DIODE 1SV128A		1	
C 95		DIODE 1SV128A		1	
C 96		DIODE 1SV128A		1	
Q 97		DIODE 1SV128A		1	

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Parts List of: A2-A7 OUTPUT

Ref No.	Part Code	Description	Rating	Qty	Note
Q 98		DIODE 1SV128A		1	
Q 99		DIODE 1SV128A		1	
Q 100		DIODE 1SV128A		1	
Q 101		DIODE 1SV128A		1	
Q 102		DIODE 1SV128A		1	
Q 103		DIODE 1SV128A		1	
Q 104		DIODE 1SV128A		1	
Q 105		DIODE 1SV128A		1	
Q 106		DIODE 1SV128A		1	
Q 107		DIODE 1SV128A		1	
Q 108		DIODE 1SV128A		1	
Q 109		DIODE 1SV128A		1	
Q 110		DIODE 1SV128A		1	
Q 111		NOT ASSIGNED			
Q 112		NOT ASSIGNED			
Q 113		NOT ASSIGNED			
Q 114		NOT ASSIGNED			
Q 115		NOT ASSIGNED			
Q 116		NOT ASSIGNED			
Q 117		NOT ASSIGNED			
Q 118		NOT ASSIGNED			
Q 119		NOT ASSIGNED			
Q [illegible]		NOT ASSIGNED			

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Parts List of: A2-A7 OUTPUT

Ref No.	Part Code	Description	Rating	Qty	Note
Q 121		NOT ASSIGNED			
Q 122		NOT ASSIGNED			
Q 123		NOT ASSIGNED			
Q 124		NOT ASSIGNED			
Q 125		NOT ASSIGNED			
Q 126		NOT ASSIGNED			
Q 127		NOT ASSIGNED			
Q 128		NOT ASSIGNED			
Q 129		NOT ASSIGNED			
Q 130		NOT ASSIGNED			
Q 131		NOT ASSIGNED			
Q 132		NOT ASSIGNED			
Q 133		NOT ASSIGNED			
Q 134		NOT ASSIGNED			
Q 135		NOT ASSIGNED			
Q 136		NOT ASSIGNED			
Q 137		NOT ASSIGNED			
Q 138		NOT ASSIGNED			
Q 139		NOT ASSIGNED			
Q 140		NOT ASSIGNED			
Q 141		NOT ASSIGNED			
Q 142		NOT ASSIGNED			
Q 143		NOT ASSIGNED			

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Parts List of: A2-A7 OUTPUT

Ref No.	Part Code	Description	Rating	Qty	Note
Q 144		NOT ASSIGNED			
Q 145		NOT ASSIGNED			
Q 146		NOT ASSIGNED			
Q 147		NOT ASSIGNED			
Q 148		NOT ASSIGNED			
Q 149		NOT ASSIGNED			
Q 150		NOT ASSIGNED			
Q 151		NOT ASSIGNED			
Q 152		NOT ASSIGNED			
Q 153		NOT ASSIGNED			
Q 154		NOT ASSIGNED			
Q 155		NOT ASSIGNED			
Q 156		NOT ASSIGNED			
Q 157		NOT ASSIGNED			
Q 158		NOT ASSIGNED			
Q 159		NOT ASSIGNED			
Q 160		NOT ASSIGNED			
Q 161		NOT ASSIGNED			
Q 162		NOT ASSIGNED			
Q 163		NOT ASSIGNED			
Q 164		NOT ASSIGNED			
Q 165		NOT ASSIGNED			
Q 166		NOT ASSIGNED			

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ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref No.	Part Code	Description	Rating	Qty	Note
Q 167		NOT ASSIGNED			
Q 168		NOT ASSIGNED			
Q 169		NOT ASSIGNED			
Q 170		NOT ASSIGNED			
Q 171		NOT ASSIGNED			
Q 172		NOT ASSIGNED			
Q 173		NOT ASSIGNED			
Q 174		NOT ASSIGNED			
Q 175		NOT ASSIGNED			
Q 176		NOT ASSIGNED			
Q 177		NOT ASSIGNED			
Q 178		NOT ASSIGNED			
Q 179		NOT ASSIGNED			
Q 180		NOT ASSIGNED			
Q 181		IC 74HC14F		1	
Q 182		IC 74HC4094F		1	
Q 183		IC 74HC4094F		1	
Q 184		TRANSISTOR 2SB624 BV4		1	
Q 185		TRANSISTOR 2SB624 BV4		1	
Q 186		TRANSISTOR 2SB624 BV4		1	
Q 187		TRANSISTOR 2SB624 BV4		1	
Q 188		NOT ASSIGNED			
Q 189		NOT ASSIGNED			

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Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
Q 190		NOT ASSIGNED			
Q 191		IC 74HC4094F		1	
Q 192		IC 74HC42F		1	
Q 193		IC 74HC00F		1	
Q 194		TRANSISTOR 2SA812		1	
Q 195		TRANSISTOR 2SC1622A (D17)		1	
Q 196		TRANSISTOR 2SC1622A (D17)		1	
Q 197		IC NJL201AM		1	
Q 198		IC NJL201AM			
Q 199		IC NJL201AM		1	
Q 200		IC NJL201AM		1	
Q 201		IC NJM5534MD		1	
Q 202		IC NJM5534MD		1	
Q 203		DIODE 1SS99		1	
Q 204		TRANSISTOR 2SC1623		1	
Q 205		TRANSISTOR 2SC1623		1	
Q 206		TRANSISTOR 2SC1623		1	
Q 207		TRANSISTOR 2SC1623		1	
Q 208		DIODE A1S2836		1	
Q 209		ZENER DIODE RD7.1MB		1	
Q 210		ZENER DIODE RD11MB3		1	
Q 211		TRANSISTOR 2SB799ML		1	
Q 212		IC MAX-3		1	

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Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
Q 213		DIODE 1SV128A		1	
Q 214		DIODE 1SV128A		1	
Q 215		IC MGF0904A		1	
Q 216		IC MGF0904A		1	
Q 217		DIODE 1SS99		1	
Q 218		THERMISTOR 31D21		1	
Q 219		TRANSISTOR 2SC1622A (D17)		1	
Q 220		TRANSISTOR 2SC1622A (D17)		1	
Q 221		DIODE 1SV128A		1	
Q 222		TRANSISTOR 2SA812		1	
Q 223		TRANSISTOR 2SA812		1	
Q 224		THERMISTOR 31D21		1	
Q 225		TRANSISTOR 2SD1000 (LL)		1	
Q 226		ZENER DIODE RD7.5MB2		1	
R 1		CERMET RESISTOR RK73M2A102J	1KΩ ± 5%,1/10W	1	
R 2		CERMET RESISTOR RK73M2A151J	150Ω ± 5%,1/10W	1	
R 3		CERMET RESISTOR RK73M2A221J	220Ω ± 5%,1/10W	1	
R 4		CERMET RESISTOR RK73M2A151J	150Ω ± 5%,1/10W	1	
R 5		CERMET RESISTOR RK73M2A390J	39Ω ± 5%,1/10W	1	
R 6		CERMET RESISTOR RK73M2A151J	150Ω ± 5%,1/10W	1	
R 7		NOT ASSIGNED			
R 8		NOT ASSIGNED			

Dep.

* Selected at factory. DRAWING № 34W99303 34/48

ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
R 9		CERMET RESISTOR RK73M2A471J	470Ω ± 5%,1/10W	1	
R 10		CERMET RESISTOR RK73M2A471J	470Ω ± 5%,1/10W	1	
R 11		NOT ASSIGNED			
R 12		NOT ASSIGNED			
R 13		CERMET RESISTOR RK73M2A471J	470Ω ± 5%,1/10W	1	
R 14		CERMET RESISTOR RK73M2A471J	470Ω ± 5%,1/10W	1	
R 15		CERMET RESISTOR RK73M2A121J	120Ω ± 5%,1/10W	1	
R 16		NOT ASSIGNED			
R 17		NOT ASSIGNED			
R 18		CERMET RESISTOR RK73M2A102J	1KΩ ± 5%,1/10W	1	
R 19		NOT ASSIGNED			
R 20		NOT ASSIGNED			
R 21		NOT ASSIGNED			
R 22		NOT ASSIGNED			
R 23		NOT ASSIGNED			
R 24		NOT ASSIGNED			
R 25		NOT ASSIGNED			
R 26		NOT ASSIGNED			
R 27		NOT ASSIGNED			
R 28		NOT ASSIGNED			
R 29		NOT ASSIGNED			
R 30		NOT ASSIGNED			
R 31		NOT ASSIGNED			

Dep.

* Selected at factory. DRAWING № 34W99302 35/48

ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref. No.	Part Code	Description	Rating	Qty	Note
R 32		CERMET RESISTOR RK73M2A151J	150Ω ± 5%,1/10W	1	
R 33		CERMET RESISTOR RK73M2A332J	3.3KΩ ± 5%,1/10W	1	
R 34		NOT ASSIGNED			
R 35		CERMET RESISTOR RK73M2A471J	470Ω ± 5%,1/10W	1	
R 36		NOT ASSIGNED			
R 37		CERMET RESISTOR RK73M2A681J	680Ω ± 5%,1/10W	1	
R 38		CERMET RESISTOR RK73M2A100J	10Ω ± 5%,1/10W	1	
R 39		CERMET RESISTOR RK73M2A221J	220Ω ± 5%,1/10W	1	
R 40		CERMET RESISTOR RK73M2A220J	22Ω ± 5%,1/10W	1	
R 41		CERMET RESISTOR RK73M2A221J	220Ω ± 5%,1/10W	1	
R 42		CERMET RESISTOR RK73M2A6R8J	6.8Ω ± 5%,1/10W	1	
R 43		CERMET RESISTOR RK73M2A471J	470Ω ± 5%,1/10W	1	
R 44		NOT ASSIGNED			
R 45		NOT ASSIGNED			
R 46		NOT ASSIGNED			
R 47		NOT ASSIGNED			
R 48		NOT ASSIGNED			
R 49		NOT ASSIGNED			
R 50		NOT ASSIGNED			
R 51		NOT ASSIGNED			
R 52		NOT ASSIGNED			
R 53		NOT ASSIGNED			
R 54		NOT ASSIGNED			

Dep.

* Selected at factory. DRAWING № 34W99303 36/48

ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref No.	Part Code	Description	Rating	Qty	Note
R		NOT ASSIGNED			
R		NOT ASSIGNED			
R	57	NOT ASSIGNED			
R	58	NOT ASSIGNED			
R	59	NOT ASSIGNED			
R		NOT ASSIGNED			
R		NOT ASSIGNED			
R		NOT ASSIGNED			
R		NOT ASSIGNED			
R		NOT ASSIGNED			
R		NOT ASSIGNED			
R		NOT ASSIGNED			
R		NOT ASSIGNED			
R		NOT ASSIGNED			
R		NOT ASSIGNED			
R		NOT ASSIGNED			
R		CERMET RESISTOR	150Ω		
		RK73M2A151J	± 5%,1/10W	1	
R		NOT ASSIGNED			
R	74	CERMET RESISTOR	330Ω		
		RK73M2A331J	± 5%,1/10W	1	
R		CERMET RESISTOR			
		RK73M2A150J			
R	76	CERMET RESISTOR			
		RK73M2A331J			
R		CERMET RESISTOR			
		RK73M2A220J			

Dep

Selected at factory

DRAWING No 34W99303 39/48

ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref No.	Part Code	Description	Rating	Qty	Note
R		CERMET RESISTOR	1K		
		RK73M2A102J	± 5%,1/10W	1	
R	79	CERMET RESISTOR	10Ω		
		RK73M2A100J	± 5%,1/10W	1	
R	80	CERMET RESISTOR	270Ω		
		RK73M2A271J	± 5%,1/10W	1	
R	81	CERMET RESISTOR	270Ω		
		RK73M2A271J	± 5%,1/10W	1	
R	82	CERMET RESISTOR	4.7Ω		
		RK73M2A4R7J	± 5%,1/10W	1	
R	83	NOT ASSIGNED			
R	84	NOT ASSIGNED			
R	85	NOT ASSIGNED			
R	86	NOT ASSIGNED			
R	87	NOT ASSIGNED			
R	88	NOT ASSIGNED			
R	89	NOT ASSIGNED			
R	90	NOT ASSIGNED			
R	91	CERMET RESISTOR	1KΩ		
		RK73M2A102J	± 5%,1/10W	1	
R	92	CERMET RESISTOR	100Ω		
		RK73M2A101J	± 5%,1/10W	1	
R	93	CERMET RESISTOR	470Ω		
		RK73M2A471J	± 5%,1/10W	1	
R	94	CERMET RESISTOR	470Ω		
		RK73M2A471J	± 5%,1/10W	1	
R	95	CERMET RESISTOR	100Ω		
		RK73M2A101J	± 5%,1/10W	1	
R	96	CERMET RESISTOR	470Ω		
		RK73M2A471J	± 5%,1/10W	1	
R	97	CERMET RESISTOR	220Ω		
		RK73M2A221J	± 5%,1/10W	1	
R		NOT ASSIGNED			
R		NOT ASSIGNED			
R		NOT ASSIGNED			

Dep

Selected at factory

DRAWING No 34W99303 38/48

ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref No.	Part Code	Description	Rating	Qty	Note
R		NOT ASSIGNED			
R		NOT ASSIGNED			
R		NOT ASSIGNED			
R		NOT ASSIGNED			
R		NOT ASSIGNED			
R		NOT ASSIGNED			
R	107	NOT ASSIGNED			
R	108	NOT ASSIGNED			
R	109	NOT ASSIGNED			
R	110	NOT ASSIGNED			
R	111	NOT ASSIGNED			
R		NOT ASSIGNED			
R		NOT ASSIGNED			
R		NOT ASSIGNED			
R		NOT ASSIGNED			
R		NOT ASSIGNED			
R		NOT ASSIGNED			
R	115	NOT ASSIGNED			
R	119	NOT ASSIGNED			
R		NOT ASSIGNED			
R	121	NOT ASSIGNED			
R	122	NOT ASSIGNED			
R	123	NOT ASSIGNED			

Dep

Selected at factory

DRAWING No 34W99303 39/48

ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

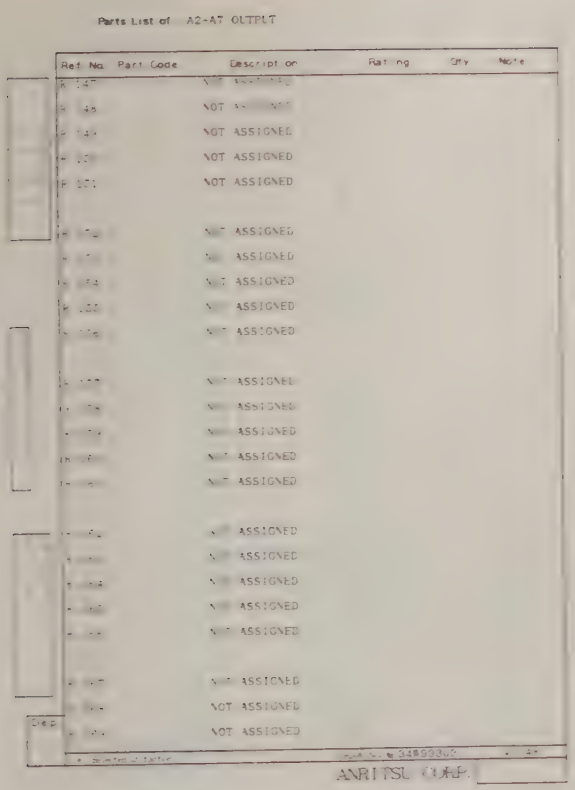
Ref No.	Part Code	Description	Rating	Qty	Note
R		NOT ASSIGNED			
R	125	NOT ASSIGNED			
R	126	NOT ASSIGNED			
R		NOT ASSIGNED			
R	128	NOT ASSIGNED			
R	129	NOT ASSIGNED			
R	130	NOT ASSIGNED			
R	131	NOT ASSIGNED			
R	132	NOT ASSIGNED			
R	133	NOT ASSIGNED			
R	134	NOT ASSIGNED			
R	135	NOT ASSIGNED			
R		NOT ASSIGNED			
R		NOT ASSIGNED			
R		NOT ASSIGNED			
R		NOT ASSIGNED			
R		NOT ASSIGNED			
R		NOT ASSIGNED			
R	142	NOT ASSIGNED			
R	143	NOT ASSIGNED			
R	144	NOT ASSIGNED			
R	145	NOT ASSIGNED			
R	146	NOT ASSIGNED			

Dep

Selected at factory

DRAWING No 34W99303 40/48

ANRITSU CORP.



Parts List of A2-A7 OUTPUT

Ref No.	Part Code	Description	Rating	Qty	Note
		NOT ASSIGNED			
		NOT ASSIGNED			
		NOT ASSIGNED			

Parts List of: A2-A7 OUTPUT

Ref No.	Part Code	Description	Rating	Qty	Note
R 239		CERMET RESISTOR	100kΩ		
		RK73M2A104J	± 5%,1/10W	1	
R 240		CERMET RESISTOR	10Ω		
		RK73M2A100J	± 5%,1/10W	1	
R 241		CERMET RESISTOR	100kΩ		
		RK73M2A104J	± 5%,1/10W	1	
R 242		CERMET RESISTOR	10Ω		
		RK73M2A100J	± 5%,1/10W	1	
R 243		CERMET RESISTOR	15kΩ		
		RK73M2A153J	± 5%,1/10W	1	
R 244		CERMET RESISTOR	10Ω		
		RK73M2A100J	± 5%,1/10W	1	
R 245		CERMET RESISTOR	10kΩ		
		RK73M2A103J	± 5%,1/10W	1	
R 246		CERMET RESISTOR	10Ω		
		RK73M2A100J	± 5%,1/10W	1	
R 247		CERMET RESISTOR	8.2kΩ		
		RK73M2A822J	± 5%,1/10W	1	
R 248		CERMET RESISTOR	10Ω		
		RK73M2A100J	± 5%,1/10W	1	
R 249		CERMET RESISTOR	4.7k		
		RK73M2A472J	± 5%,1/10W	1	
R 250		CERMET RESISTOR	10Ω		
		RK73M2A100J	± 5%,1/10W	1	
R 251		CERMET RESISTOR	100kΩ		
		RK73M2A104J	± 5%,1/10W	1	
R 252		CERMET RESISTOR	10Ω		
		RK73M2A100J	± 5%,1/10W	1	
R 253		CERMET RESISTOR	10kΩ		
		RK73M2A103J	± 5%,1/10W	1	
R 254		CERMET RESISTOR	10Ω		
		RK73M2A100J	± 5%,1/10W	1	
R 255		CERMET RESISTOR	220kΩ		
		RK73M2A224J	± 5%,1/10W	1	
R 256		METAL FILM RESISTOR	10kΩ		
		RN73G2A103D	± 0.5%,1/10W	1	
R 257		NOT ASSIGNED			
R 258		METAL FILM RESISTOR	1.8kΩ		
		RN73G2A182D	± 0.5%,1/10W	1	
R 259		METAL FILM RESISTOR	270Ω		
		RN73G2A271D	± 0.5%,1/10W	1	
R 260		METAL FILM RESISTOR	12Ω		
		RN73G2A121D	± 0.5%,1/10W	1	
R 261		METAL FILM RESISTOR	100kΩ		
		RN73G2A104D	± 0.5%,1/10W	1	

* Selected at factory

ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref No.	Part Code	Description	Rating	Qty	Note
R 262		METAL FILM RESISTOR	10kΩ		
		RN73G2A103D	± 0.5%,1/10W	1	
R 263		VARIABLE RESISTOR	100kΩ		
		RGS4H104	± 20%, 1/4W	1	
R 264		METAL FILM RESISTOR	10kΩ		
		RN73G2A103D	± 0.5%,1/10W	1	
R 265		METAL FILM RESISTOR	4.7kΩ		
		RN73G2A472D	± 0.5%,1/10W	1	
R 266		METAL FILM RESISTOR	100kΩ		
		RN73G2A104D	± 0.5%,1/10W	1	
R 267		RES ARRAY	10kΩ		
		RRS-4-103JA	± 5%	1	
R 268		RES ARRAY	1kΩ		
		RRS-4-102JB	± 5%	1	
R 269		CERMET RESISTOR	47kΩ		
		RK73M2A473J	± 5%,1/10W	1	
R 270		CERMET RESISTOR	2.2kΩ		
		RK73M2A222J	± 5%,1/10W	1	
R 271		CERMET RESISTOR	470Ω		
		RK73M2A471J	± 5%,1/10W	1	
R 272		CARBON FILM RES	220Ω		
		ARD25T221J	± 5%,1/4W	1	
R 273		NOT ASSIGNED			
R 274		NOT ASSIGNED			
R 275		NOT ASSIGNED			
R 276		CERMET RESISTOR	470Ω		
		RK73M2A471J	± 5%,1/10W	1	
R 277		NOT ASSIGNED			
R 278		CERMET RESISTOR	1kΩ		
		RK73M2A102J	± 5%,1/10W	1	
R 279		CERMET RESISTOR	22kΩ		
		RK73M2A223J	± 5%,1/10W	1	
R 280		NOT ASSIGNED			
R 281		CERMET RESISTOR	220Ω		
		RK73M2A221J	± 5%,1/10W	1	
R 282		METAL FILM RESISTOR	178Ω		
		NRN1/4C4178Ω D	± 0.5%,1/4W	1	
R 283		FIXED RESISTOR	22Ω		
		RS2FS220JL	± 5%,2W	1	
R 284		CERMET RESISTOR	1kΩ		
		RK73M2A102J	± 5%,1/10W	1	

* Selected at factory

ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref No.	Part Code	Description	Rating	Qty	Note
R 285		CERMET RESISTOR	22kΩ		
		RK73M2A223J	± 5%,1/10W	1	
R 286		NOT ASSIGNED			
R 287		CERMET RESISTOR	220Ω		
		RK73M2A221J	± 5%,1/10W	1	
R 288		METAL FILM RESISTOR	221Ω		
		NRN1/4C4221Ω D	± 0.5%,1/4W	1	
R 289		FIXED RESISTOR	22Ω		
		RS2FS220JL	± 5%,2W	1	
R 290		CERMET RESISTOR	470Ω		
		RK73M2A471J	± 5%,1/10W	1	
R 291		CERMET RESISTOR	4.7Ω		
		RK73M2A4R7J	± 5%,1/10W	1	
R 292		CERMET RESISTOR	22Ω		
		RK73M2A220J	± 5%,1/10W	1	
R 293		METAL FILM RESISTOR	47Ω		
		RN73G2A470D	± 0.5%,1/10W	1	
R 294		METAL FILM RESISTOR	120Ω		
		RN73G2A121D	± 0.5%,1/10W	1	
R 295		METAL FILM RESISTOR	270Ω		
		RN73G2A271D	± 0.5%,1/10W	1	
R 296		NOT ASSIGNED			
R 297		METAL FILM RESISTOR	22kΩ		
		RN73G2A223D	± 0.5%,1/10W	1	
R 298		METAL FILM RESISTOR	5.6kΩ		
		RN73G2A562D	± 0.5%,1/10W	1	
R 299		CERMET RESISTOR	51Ω		
		RK73M2A510J	± 5%,1/10W	1	
R 300		METAL FILM RESISTOR	10kΩ		
		RN73G2A103D	± 0.5%,1/10W	1	
R 301		CERMET RESISTOR	2.2kΩ		
		RK73M2A222J	± 5%,1/10W	1	
R 302		CERMET RESISTOR	2.2kΩ		
		RK73M2A222J	± 5%,1/10W	1	
R 303		CERMET RESISTOR	2.2kΩ		
		RK73M2A222J	± 5%,1/10W	1	
R 304		CERMET RESISTOR	2.2kΩ		
		RK73M2A222J	± 5%,1/10W	1	
R 305		CERMET RESISTOR	330Ω		
		RK73M2A331J	± 5%,1/10W	1	
R 306		FIXED RESISTOR	100Ω		
		RS2FS101JL	± 5%,2W	1	
R 307		CERMET RESISTOR	10kΩ		
		RK73M2A103J	± 5%,1/10W	1	

* Selected at factory

ANRITSU CORP.

Parts List of: A2-A7 OUTPUT

Ref No.	Part Code	Description	Rating	Qty	Note
R 305		CERMET RESISTOR	10kΩ		
		RK73M2A103J	± 5%,1/10W	1	
R 309		CARBON FILM RES	220Ω		
		ARD25T221J	± 5%,1/4W	1	
R 310		CARBON FILM RES	270Ω		
		ARD25T271J	± 5%,1/4W	1	
R 311		CERMET RESISTOR	15Ω		
		RK73M2A150J	± 5%,1/10W	1	
W 1		COAXIAL CABLE			
		34J98994		1	
W 2		COAXIAL CABLE			
		34J99805		1	
Z 1		MIXER			
		M-18X		1	
Z 2		BPF	720MHZ		252HXPK-
		AHW-720MF	B.P.F.	1	2892F
Z 3		BPF	720MHZ		252HXPK-
		AHW-720MF	B.P.F.	1	2892F
Z 4		DOUBLER			
		DB3		1	

* Selected at factory

ANRITSU CORP.

Parts List of: A2-A10 ATT DRIVE

13

Ref. No.	Part Code	Description	Rating	Qty	Note
C 1		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 2		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 3		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 4		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 5		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/ 20%	1	
C 6		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 7		CER CAP	0.22μ F		
		CK737B1H224K	± 10%,50V	1	
C 8		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 9		AL ELECTLT CAP	33μ F		
		KRE25VB-33	- 20%,25V	1	
C 10		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 11		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 12		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 13		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 14		CER CAP	100p F		
		CC732CH1H101J	± 5%,50V	1	
C 15		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 16		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 17		AL ELECTLT CAP	10μ F		
		KRE50VB-10	± 20%,50V	1	
C 18		AL ELECTLT CAP	10μ F		
		KRE50VB-10	± 20%,50V	1	
J 1		PLUG	8P		
		DF1B-8P2.5DS(01)		1	
U 1		IC			
		74HC14F		1	

Dep

* Selected at factory

DRAWING № 34W9930[illegible] 2/4

ANRITSU CORP.

Parts List of: A2-A10 ATT DRIVE

Ref. No.	Part Code	Description	Rating	Qty	Note
Q 2		IC			
		74HC4094F		1	
Q 3		IC			
		74HC00F		1	
Q 4		IC			
		μ PA2982C		1	
Q 5		IC			
		NJU201AM		1	
Q 6		IC			
		NJM072M		1	
Q 7		IC			
		μ PC272G2		1	
Q 8		DIODE			
		A1SS123		1	
Q 9		DIODE			
		HSM88ASR		1	
R 1		CERMET RESISTOR	10KΩ		
		RK73M2A103J	± 5%,1/10W	1	
R 2		CERMET RESISTOR	10KΩ		
		RK73M2A103J	± 5%,1/10W	1	
R 3		CERMET RESISTOR	10KΩ		
		RK73M2A103J	± 5%,1/10W	1	
R 4		CERMET RESISTOR	100KΩ		
		RK73M2A104J	± 5%,1/10W	1	
R 5		CERMET RESISTOR	10KΩ		
		RK73M2A103J	± 5%,1/10W	1	
R 6		CERMET RESISTOR	1KΩ		
		RK73M2A102J	± 5%,1/10W	1	
R 7		CERMET RESISTOR	10KΩ		
		RK73M2A103J	± 5%,1/10W	1	
R 8		CERMET RESISTOR	1MΩ		
		RK73M2A105J	± 5%,1/10W	1	
R 9		CERMET RESISTOR	1MΩ		
		RK73M2A105J	± 5%,1/10W	1	
R 10		CERMET RESISTOR	22KΩ		
		RK73M2A223J	± 5%,1/10W	1	
R 11		CERMET RESISTOR	6.8KΩ		
		RK73M2A682J	± 5%,1/10W	1	
R 12		CERMET RESISTOR	330Ω		
		RK73M2A331J	± 5%,1/10W	1	
R 13		CERMET RESISTOR	4.7KΩ		
		RK73M2A472J	± 5%,1/10W	1	
R 14		CERMET RESISTOR	4.7KΩ		
		RK73M2A472J	± 5%,1/10W	1	

Dep

* Selected at factory

DRAWING № 34W99307 2/4

ANRITSU CORP.

Parts List of: A2-A10 ATT DRIVE

Ref. No.	Part Code	Description	Rating	Qty	Note
R 15		CERMET RESISTOR	4.7KΩ		
		RK73M2A472J	± 5%,1/10W	1	

Dep

* Selected at factory

DRAWING № 34W99307 3/4

ANRITSU CORP.

Parts List of A2-A12 MODULATION

14

Ref. No.	Part Code	Description	Rating	Qty	Note
C 1		AL ELECTLT CAP	100μ		
		CE04C1E101A	± 20%,25V	1	
C 2		AL ELECTLT CAP	100μ F		
		CE04C1E101A	± 20%,25V	1	
C 3		AL ELECTLT CAP	100μ F		
		CE04C1E101A	± 20%,25V	1	
C 4		AL ELECTLT CAP	100μ F		
		CE04C1E101A	- 20%,25V	1	
C 5		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%		
C 6		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 7		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 8		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 9		NOT ASSIGNED			
C 10		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 11		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 12		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 13		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 14		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 15		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 16		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 17		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 18		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 19		NOT ASSIGNED			
C 20		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 21		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 22		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C 23		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	

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Parts List of A2-A12 MODULATION

Ref No.	Part Code	Description	Rating	Qty	Note
		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C	26	CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C	27	CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C	28	CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%		
		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C	33	CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C	34	CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%		
		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%		
		PLSTC FILM CAP	18000p F		
		ECQ-P1183FZ	± 1%,100V		
		AL ELECTLT CAP	10μ F		
		CE04C1H100A	± 20%,50V		
		PLSTC FILM CAP	33000p F		
		ECQ-P1333FZ	± 1%,100V		
C	39	PLSTC FILM CAP	68000p F		
		ECQ-P1683FZ	± 1%,100V	1	
C	40	PLSTC FILM CAP	3900p F		
		ECQ-P1392FZ	± 1%,100V	1	
C	41	PLSTC FILM CAP	91000p F		
		ECQ-P1913FZ	± 1%,100V	1	
C	42	PLSTC FILM CAP	1600p F		
		ECQ-P1162FZ	± 1%,100V	1	
		PLSTC FILM CAP	43000p F		
		ECQ-P1433FZ	± 1%,100V	1	
		AL ELECTLT CAP	10μ F		
		CE04C1H100A	± 20%,50V	1	
		PLSTC FILM CAP	33000p F		
		ECQ-P1333FZ	± 1%,100V	1	
		PLSTC FILM CAP	68000p F		
				1	

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Parts List of A2-A12 MODULATION

Ref No.	Part Code	Description	Rating	Qty	Note
C	47	PLSTC FILM CAP	3900p F		
		ECQ-P1392FZ	± 1%,100V	1	
C	48	PLSTC FILM CAP	91000p F		
		ECQ-P1913FZ	± 1%,100V	1	
C	49	PLSTC FILM CAP	1600p F		
		ECQ-P1162FZ	± 1%,100V	1	
C	50	AL ELECTLT CAP	100μ F		
		CE04C1E101A	± 20%,25V		
C	51	AL ELECTLT CAP	100μ F		
		CE04C1E101A	± 20%,25V	1	
C	52	CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C	53	NOT ASSIGNED			
C	54	NOT ASSIGNED			
C	55	CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%		
C	56	CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%		
	57	NOT ASSIGNED			
	58	NOT ASSIGNED			
	59	NOT ASSIGNED			
	60	NOT ASSIGNED			
	61	CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%		
C	62	CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%		
C	63	CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%		
C	64	CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%		
C	65	CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%		
C	66	CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%		
C	67	CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%		
C	68	CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%		
C	69	CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%		

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Parts List of A2-A12 MODULATION

Ref No.	Part Code	Description	Rating	Qty	Note
C	70	CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C	71	CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C	73	CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C	74	AL ELECTLT CAP	1000μ F		
		CE04C1E102A	± 20%,25V	1	
		AL ELECTLT CAP			
		CE04C1E102A			
		NOT ASSIGNED			
		NOT ASSIGNED			
		NOT ASSIGNED			
		NOT ASSIGNED			
		NOT ASSIGNED			
		NOT ASSIGNED			
C	81	NOT ASSIGNED			
		NOT ASSIGNED			
		NOT ASSIGNED			
C	84	NOT ASSIGNED			
		NOT ASSIGNED			
C	86	CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C	87	CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C	88	CER CAP	5p F,50V		
		CC732CH1H050D	± 0.5p F	1	
C	89	CER CAP	5p F,50V		
		CC732CH1H050D	± 0.5p F	1	
C	90	CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
	91	CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
	92	CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	

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Parts List of A2-A12 MODULATION

Ref No.	Part Code	Description	Rating	Qty	Note
C	93	CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%		
C	94	CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%		
C	95	CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%		
C	96	CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%		
C	97	CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%		
	98	CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%		
C	99	CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%		
C	100	AL ELECTLT CAP	100μ F		
		CE04C1F101A	± 20%,25V		
C	101	AL ELECTLT CAP	100μ F		
		CE04C1E101A	± 20%,25V		
C	102	AL ELECTLT CAP	470μ F		
		CE04C1C471A	± 20%,16V		
C	103	CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%		
C	104	CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%		
C	105	CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%		
C	106	CER CAP	5p F,50V		
		CC732CH1H050D	± 0.5p F		
C	107	CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%		
	108	CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C	109	CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%		
C	110	CER CAP	5p F,50V		
		CC732CH1H050D	± 0.5p F	1	
C	111	CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C	112	CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
C	113	AL ELECTLT CAP	100μ F		
		CE04C1E101A	± 20%,25V	1	
C	114	AL ELECTLT CAP	100μ F		
		CE04C1E101A	± 20%,25V	1	
C	115	CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%		

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Parts List of: A2-A12 MODULATION

Ref No.	Part Code	Description	Rating	Qty	Note
C 116		AL ELECTLT CAP	220μ F		
		CE04C1E221A	-20%,25V	1	
C 117		AL ELECTLT CAP	220μ F		
		CE04C1E221A	-20%,25V	1	
C 118		CER CAP	3pF,50V		
		CC73ZCJ1H030C	0.25pF	1	
E 1		CHECK TERMINAL			
		00292		1	
E 2		CHECK TERMINAL			
		00292		1	
E 3		CHECK TERMINAL			
		00292			
E 4		CHECK TERMINAL			
		00292			
E 5		CHECK TERMINAL			
		00292		1	
E 6		CHECK TERMINAL			
		00292		1	
E 7		CHECK TERMINAL			
		00292		1	
E 8		CHECK TERMINAL			
		00292		1	
E 9		CHECK TERMINAL			
		00292		1	
E 10		CHECK TERMINAL			
		00292		1	
E 11		CHECK TERMINAL			
		00292			
E 12		CHECK TERMINAL			
		00292		1	
E 13		CHECK TERMINAL			
		00292		1	
E 14		CHECK TERMINAL			
		00292			
E 15		CHECK TERMINAL			
		00292		1	
J 1		PLUG	15P		
		DF1-15P2.5DSA		1	
J 2		NOT ASSIGNED			
J 3		PLUG	5P		
		DF1-5P2.5DSA			

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Parts List of A2-A12 MODULATION

Ref No.	Part Code	Description	Rating	Qty	Note
J 4		PLUG			
		27DP-R-PC-1		1	
J 5		PLUG			
		27DP-R-PC-1		1	
J 6		PLUG	10P		
		DF1-10P2.5DSA		1	
K 1		RELAY			
		SY 12		1	
L 1		INDUCTOR	6.8μ H,± 10%		
		SP0408-6R8K		1	
L 2		INDUCTOR	6.8μ H,± 10%		
		SP0408-6R8K		1	
L 3		INDUCTOR	6.8μ H,± 10%		
		SP0408-6R8K		1	
L 4		INDUCTOR	6.8μ H,± 10%		
		SP0408-6R8K		1	
Q 1		IC			
		74HC14F		1	
Q 2		IC			
		74HC4094F		1	
Q 3		IC			
		74HC4094F		1	
Q 4		IC			
		74HC4094F		1	
Q 5		IC			
		74HC4094F		1	
Q 6		IC			
		74HC4094F		1	
Q 7		IC			
		74HC4094F		1	
Q 8		IC			
		74HC4094F		1	
Q 9		IC			
		74HC32F		1	
Q 10		IC			
		74HC390F		1	
Q 11		IC			
		74HC390F		1	

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Parts List of: A2-A12 MODULATION

Ref No.	Part Code	Description	Rating	Qty	Note
Q 12		IC			
		74HC164F		1	
Q 13		IC			
		74HC164F		1	
C 14		IC			
		74HC14F		1	
C 15		IC			
		NJM4558M		1	
C 16		IC			
		NJM4558M			
Q 17		IC			
		NJM4558M		1	
Q 18		IC			
		NJM4558M		1	
Q 19		IC			
		74HC74F		1	
Q 20		DIODE			
		A1SS123		1	
Q 21		NOT ASSIGNED			
Q 22		IC			
		NJM5532M		1	
Q 23		NOT ASSIGNED			
Q 24		NOT ASSIGNED			
Q 25		NOT ASSIGNED			
C 26		NOT ASSIGNED			
Q 27		NOT ASSIGNED			
Q 28		NOT ASSIGNED			
Q 29		NOT ASSIGNED			
Q 30		IC			
		NJM5534M		1	
Q 31		IC			
		NJM5534M		1	
Q 32		IC			
		NJM5534M		1	
Q 33		IC			
		NJU201AM		1	
Q 34		IC			
		NJU201AM		1	

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Parts List of A2-A12 MODULATION

Ref No.	Part Code	Description	Rating	Qty	Note
C 35		IC			
		NJL201AM		1	
C 36		IC			
		74HC04F		1	
C 37		TRANSISTOR			
		2SC1623		1	
C 38		DIODE			
		A1SS123		1	
C 39		NOT ASSIGNED			
Q 40		IC			
		AD7533JN		1	
Q 41		IC			
		AD7533JN		1	
Q 42		DIODE			
		1SS97		1	
Q 43		DIODE			
		1SS97		1	
Q 44		IC			
		NJM5534M		1	
Q 45		IC			
		NJM5534M		1	
Q 46		IC			
		NJM5534M		1	
Q 47		IC			
		NJL201AM		1	
Q 48		IC			
		74HC04F		1	
Q 49		IC			
		NJM5534M		1	
Q 50		DIODE			
		A1SS123		1	
Q 51		DIODE			
		A1SS123		1	
Q 52		NOT ASSIGNED			
Q 53		NOT ASSIGNED			
Q 54		TRANSISTOR			
		2SC1623		1	
Q 55		TRANSISTOR			
		2SA812		1	
Q 56		ZENER DIODE			
		1SZ52		1	
Q 57		IC			
		μ PC813G		1	

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Parts List of: A2-A12 MODULATION

Ref No.	Part Code	Description	Rating	Qty	Note
Q 58		IC			
		AD7541AKN		1	
Q 59		DIODE			
		1SS97		1	
Q 60		IC			
		μPC813G		1	
Q 61		IC			
		AD7533JN		1	
Q 62		DIODE			
		1SS97		1	
Q 63		IC			
		μPC813G		1	
Q 64		DIODE			
		A1SS123		1	
Q 65		DIODE			
		A1SS123		1	
Q 66		NOT ASSIGNED			
Q 67		NOT ASSIGNED			
Q 68		TRANSISTOR			
		2SC1623		1	
Q 69		TRANSISTOR			
		2SA812		1	
Q 70		HYBRID IC			
		UM1		1	
R 1		RES ARRAY	10KΩ		
		RRS-4-103JA	5%	1	
R 2		NOT ASSIGNED			
R 3		NOT ASSIGNED			
R 4		NOT ASSIGNED			
R 5		NOT ASSIGNED			
R 6		NOT ASSIGNED			
R 7		NOT ASSIGNED			
R 8		NOT ASSIGNED			
R 9		NOT ASSIGNED			

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Parts List of: A2-A12 MODULATION

Ref No.	Part Code	Description	Rating	Qty	Note
R 10		RES ARRAY	100KΩ		
		RRS-8-104JA	± 5%	1	
R 11		RES ARRAY	100KΩ		
		RRS-8-104JA	± 5%	1	
R 12		CERMET RESISTOR	3.3KΩ		
		RK73M2A332J	± 5%,1/10W	1	
R 13		CERMET RESISTOR	4.7KΩ		
		RK73M2A472J	± 5%,1/10W	1	
R 14		METAL FILM RESISTOR	9.31KΩ		
		RN14K2E9311D	± 0.5%,1/4W	1	
R 15		METAL FILM RESISTOR	8.45KΩ		
		RN14K2E8451D	± 0.5%,1/4W	1	
R 16		METAL FILM RESISTOR	8.66KΩ		
		RN14K2E8661D	± 0.5%,1/4W	1	
R 17		METAL FILM RESISTOR	8.45KΩ		
		RN14K2E8451D	± 0.5%,1/4W	1	
R 18		METAL FILM RESISTOR	9.76KΩ		
		RN14K2E9761D	± 0.5%,1/4W	1	
R 19		CERMET RESISTOR	4.7KΩ		
		RK73M2A472J	± 5%,1/10W	1	
R 20		VARIABLE RESISTOR	5KΩ		
		RGS4H502	± 20%,1/4W	1	
R 21		CERMET RESISTOR	3.3KΩ		
		RK73M2A332J	± 5%,1/10W	1	
R 22		CERMET RESISTOR	4.7KΩ		
		RK73M2A472J	± 5%,1/10W	1	
R 23		METAL FILM RESISTOR	23.2KΩ		
		RN14K2E2322D	± 0.5%,1/4W	1	
R 24		METAL FILM RESISTOR	21KΩ		
		RN14K2E2102D	± 0.5%,1/4W	1	
R 25		METAL FILM RESISTOR	21.5KΩ		
		RN14K2E2152D	± 0.5%,1/4W	1	
R 26		METAL FILM RESISTOR	21KΩ		
		RN14K2E2102D	± 0.5%,1/4W	1	
R 27		METAL FILM RESISTOR	24.3KΩ		
		RN14K2E2432D	± 0.5%,1/4W	1	
R 28		CERMET RESISTOR	4.7KΩ		
		RK73M2A472J	± 5%,1/10W	1	
R 29		VARIABLE RESISTOR	5KΩ		
		RGS4H502	± 20%,1/4W	1	
R 30		CERMET RESISTOR	3.9KΩ		
		RK73M2A392J	± 5%,1/10W	1	
R 31		CERMET RESISTOR	15KΩ		
		RK73M2A153J	± 5%,1/10W	1	
R 32		•CERMET RESISTOR	10KΩ		
		RK73M2A103J	± 5%,1/10W	1	

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Parts List of: A2-A12 MODULATION

Ref No.	Part Code	Description	Rating	Qty	Note
R 33		CERMET RESISTOR	10KΩ		
		RK73M2A103J	± 5%,1/10W	1	
R 34		NOT ASSIGNED			
R 35		CARBON FILM RES	600Ω		
		RD1/4PX600Ω D	1/4W	1	
R 36		CERMET RESISTOR	10Ω		
		RK73M2A100J	± 5%,1/10W	1	
R 37		CERMET RESISTOR	3.3KΩ		
		RK73M2A332J	± 5%,1/10W	1	
R 38		CERMET RESISTOR	1.2KΩ		
		RK73M2A122J	± 5%,1/10W	1	
R 39		METAL FILM RESISTOR	3.01KΩ		
		RN14K2E3011D	± 0.5%,1/4W	1	
R 40		CERMET RESISTOR	1.5KΩ		
		RK73M2A152J	± 5%,1/10W	1	
R 41		METAL FILM RESISTOR	3.01KΩ		
		RN14K2E3011D	± 0.5%,1/4W	1	
R 42		NOT ASSIGNED			
R 43		CERMET RESISTOR	33KΩ		
		RK73M2A333J	± 5%,1/10W	1	
R 44		NOT ASSIGNED			
R 45		NOT ASSIGNED			
R 46		NOT ASSIGNED			
R 47		NOT ASSIGNED			
R 48		VARIABLE RESISTOR	10KΩ		
		RGS4H103	± 20%,1/4W	1	
R 49		NOT ASSIGNED			
R 50		NOT ASSIGNED			
R 51		NOT ASSIGNED			
R 52		NOT ASSIGNED			
R 53		NOT ASSIGNED			
R 54		NOT ASSIGNED			
R 55		METAL FILM RESISTOR	4.87KΩ		
		RN14K2E4871D	± 0.5%,1/4W	1	

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Parts List of: A2-A12 MODULATION

Ref No.	Part Code	Description	Rating	Qty	Note
R 56		METAL FILM RESISTOR	5.11KΩ		
		RN14K2E5111D	± 0.5%,1/4W	1	
R 57		METAL FILM RESISTOR	1KΩ		
		RN73G2A102D	± 0.5%,1/10W	1	
R 58		METAL FILM RESISTOR	1KΩ		
		RN73G2A102D	± 0.5%,1/10W	1	
R 59		METAL FILM RESISTOR	10KΩ		
		RN73G2A103D	± 0.5%,1/10W	1	
R 60		METAL FILM RESISTOR	10KΩ		
		RN73G2A103D	± 0.5%,1/10W	1	
R 61		METAL FILM RESISTOR	10KΩ		
		RN73G2A103D	± 0.5%,1/10W	1	
R 62		METAL FILM RESISTOR	10KΩ		
		RN73G2A103D	± 0.5%,1/10W	1	
R 63		METAL FILM RESISTOR	10KΩ		
		RN73G2A103D	± 0.5%,1/10W	1	
R 64		CERMET RESISTOR	5.6KΩ		
		RK73M2A562J	± 5%,1/10W	1	
R 65		CERMET RESISTOR	18KΩ		
		RK73M2A183J	± 5%,1/10W	1	
R 66		CERMET RESISTOR	5.6KΩ		
		RK73M2A562J	± 5%,1/10W	1	
R 67		CERMET RESISTOR	12KΩ		
		RK73M2A123J	± 5%,1/10W	1	
R 68		CERMET RESISTOR	10KΩ		
		RK73M2A103J	± 5%,1/10W	1	
R 69		CARBON FILM RES	600Ω		
		RD1/4PX600Ω D	1/4W	1	
R 70		CERMET RESISTOR	5.6KΩ		
		RK73M2A562J	± 5%,1/10W	1	
R 71		CERMET RESISTOR	18KΩ		
		RK73M2A183J	± 5%,1/10W	1	
R 72		CERMET RESISTOR	1KΩ		
		RK73M2A102J	± 5%,1/10W	1	
R 73		CERMET RESISTOR	33KΩ		
		RK73M2A333J	± 5%,1/10W	1	
R 74		NOT ASSIGNED			
R 75		CERMET RESISTOR	10KΩ		
		RK73M2A103J	± 5%,1/10W	1	
R 76		CERMET RESISTOR	10KΩ		
		RK73M2A103J	± 5%,1/10W	1	
R 77		CERMET RESISTOR	4.7KΩ		
		RK73M2A472J	± 5%,1/10W	1	
R 78		CERMET RESISTOR	10KΩ		
		RK73M2A103J	± 5%,1/10W	1	

Dep

• Selected at factory

DRAWING № 34W99309 13/15

ANRITSU CORP.

Parts List of: A2-A12 MODULATION

Ref. No.	Part Code	Description	Rating	Qty	Note
R 79		VARIABLE RESISTOR	10KΩ		
		RGS4H103	± 20%,1/4W	1	
R 80		CERMET RESISTOR	39KΩ		
		RK73M2A393J	± 5%,1/10W	1	
R 81		VARIABLE RESISTOR	10KΩ		
		RGS4H103	± 20%,1/4W	1	
R 82		CERMET RESISTOR	10KΩ		
		RK73M2A103J	± 5%,1/10W	1	
R 83		CERMET RESISTOR	15KΩ		
		RK73M2A153J	± 5%,1/10W	1	
R 84		CERMET RESISTOR	22KΩ		
		RK73M2A223J	± 5%,1/10W	1	
R 85		CERMET RESISTOR	10KΩ		
		RK73M2A103J	± 5%,1/10W	1	
R 86		CERMET RESISTOR	3.3KΩ		
		RK73M2A332J	± 5%,1/10W	1	
R 87		CERMET RESISTOR	10KΩ		
		RK73M2A103J	± 5%,1/10W	1	
R 88		CERMET RESISTOR	15Ω		
		RK73M2A150J	± 5%,1/10W	1	
R 89		CERMET RESISTOR	15Ω		
		RK73M2A150J	± 5%,1/10W	1	
R 90		CERMET RESISTOR	47Ω		
		RK73M2A470J	± 5%,1/10W	1	
R 91		METAL FILM RESISTOR	1KΩ		
		RN73G2A102D	± 0.5%,1/10W	1	
R 92		CERMET RESISTOR	4.7KΩ		
		RK73M2A472J	± 5%,1/10W	1	
R 93		METAL FILM RESISTOR	47KΩ		
		RN73G2A473D	± 0.5%,1/10W	1	
R 94		CERMET RESISTOR	3.3KΩ		
		RK73M2A332J	± 5%,1/10W	1	
R 95		METAL FILM RESISTOR	22KΩ		
		RN73G2A223D	± 0.5%,1/10W	1	
R 96		VARIABLE RESISTOR	1KΩ		
		RGS4H102	± 20%,1/4W	1	
R 97		METAL FILM RESISTOR	15KΩ		
		RN73G2A153D	± 0.5%,1/10W	1	
R 98		VARIABLE RESISTOR	10KΩ		
		RGS4H103	± 20%,1/4W	1	
R 99		CERMET RESISTOR	10KΩ		
		RK73M2A103J	± 5%,1/10W	1	
R 100		CERMET RESISTOR	3.3KΩ		
		RK73M2A332J	± 5%,1/10W	1	
R 101		CERMET RESISTOR	10KΩ		
		RK73M2A103J	± 5%,1/10W	1	

Dep.

* Selected at factory

DRAWING № 34W99309 14/15

ANRITSU CORP.

Parts List of: A2-A12 MODULATION

Ref. No.	Part Code	Description	Rating	Qty	Note
R 102		CERMET RESISTOR	15Ω		
		RK73M2A150J	± 5%,1/10W	1	
R 103		CERMET RESISTOR	15Ω		
		RK73M2A150J	± 5%,1/10W	1	
R 104		METAL FILM RESISTOR	47Ω		
		RN73G2A470D	± 0.5%,1/10W	1	
R 105		CERMET RESISTOR	15KΩ		
		RK73M2A153J	± 5%,1/10W	1	
R 106		CERMET RESISTOR	100KΩ		
		RK73M2A104J	± 5%,1/10W	1	
R 107		METAL FILM RESISTOR	10KΩ		
		RN73G2A103D	± 0.5%,1/10W	1	
R 108		METAL FILM RESISTOR	10KΩ		
		RN73G2A103D	± 0.5%,1/10W	1	
X 1		CRYSTAL OSC			
		TCO-711SC16MHZ		1	

Dep.

* Selected at factory

DRAWING № 34W99309 15/15

ANRITSU CORP.

Parts List of: A2-A13 POWER SUPPLY

15

Ref. No.	Part Code	Description	Rating	Qty	Note
C 1		AL ELECTLT CAP	10000μ F		
		KME25VNSN-10000-22F	± 20%,25V	1	
C 2		NOT ASSIGNED			
C 3		NOT ASSIGNED			
C 4		AL ELECTLT CAP	10000μ F		
		CE691C1E103A	± 20%,25V	1	
C 5		NOT ASSIGNED			
C 6		NOT ASSIGNED			
C 7		AL ELECTLT CAP	6800μ F		
		KMH50VNSN-6800-25F	± 20%,50V	1	
C 8		NOT ASSIGNED			
C 9		NOT ASSIGNED			
C 10		AL ELECTLT CAP	4700μ F		
		KMH50VNSN-4700-22E	± 20%,50V	1	
C 11		NOT ASSIGNED			
C 12		NOT ASSIGNED			
C 13		AL ELECTLT CAP	2200μ F		
		KMH63VNSN-2200-22C	± 20%,63V	1	
C 14		NOT ASSIGNED			
C 15		NOT ASSIGNED			
C 16		CER CAP	0.1μ F,50V		
		CK924F1H104Z	+80/-20%	1	
C 17		AL ELECTLT CAP	100μ F		
		CE04C1E101A	± 20%,25V	1	
C 18		CER CAP	0.1μ F,50V		
		CK924F1H104Z	+80/-20%	1	
C 19		CER CAP	0.1μ F,50V		
		CK924F1H104Z	+80/-20%	1	
C 20		AL ELECTLT CAP	100μ F		
		CE04C1E101A	± 20%,25V	1	
C 21		CER CAP	0.1μ F,50V		
		CK924F1H104Z	+80/-20%	1	
C 22		CER CAP	0.1μ F,50V		
		CK924F1H104Z	+80/-20%	1	
C 23		AL ELECTLT CAP	100μ F		
		CE04C1E101A	± 20%,25V	1	

Dep.

* Selected at factory

DRAWING № 34W99310 1/5

ANRITSU CORP.

Parts List of: A2-A13 POWER SUPPLY

Ref. No.	Part Code	Description	Rating	Qty	Note
C 24		CER CAP	0.1μ F,50V		
		CK924F1H104Z	+80/-20%	1	
C 25		CER CAP	0.1μ F,50V		
		CK924F1H104Z	+80/-20%	1	
C 26		AL ELECTLT CAP	100μ F		
		CE04C1E101A	± 20%,25V	1	
C 27		CER CAP	0.1μ F,50V		
		CK924F1H104Z	+80/-20%	1	
C 28		CER CAP	0.1μ F,50V		
		CK924F1H104Z	+80/-20%	1	
C 29		AL ELECTLT CAP	100μ F		
		CE04C1E101A	± 20%,25V	1	
C 30		CER CAP	0.1μ F,50V		
		CK924F1H104Z	+80/-20%	1	
C 31		CER CAP	0.1μ F,50V		
		CK924F1H104Z	+80/-20%	1	
C 32		AL ELECTLT CAP	10μ F		
		CE04C1H100A	± 20%,50V	1	
C 33		AL ELECTLT CAP	100μ F		
		CE04C1E101A	± 20%,25V	1	
C 34		CER CAP	0.1μ F,50V		
		CK924F1H104Z	+80/-20%	1	
C 35		AL ELECTLT CAP	100μ F		
		CE04C1E101A	± 20%,25V	1	
C 36		CER CAP	0.1μ F,50V		
		CK924F1H104Z	+80/-20%	1	
C 37		CER CAP	0.1μ F,50V		
		CK924F1H104Z	+80/-20%	1	
C 38		AL ELECTLT CAP	100μ F		
		CE04C1H101A	± 20%,50V	1	
C 39		CER CAP	0.1μ F,50V		
		CK924F1H104Z	+80/-20%	1	
C 40		AL ELECTLT CAP	10000μ F		
		KME25VNSN-10000-22F	± 20%,25V	1	
E 1		CHECK TERMINAL			
		00292		1	
E 2		CHECK TERMINAL			
		00292		1	
E 3		CHECK TERMINAL			
		00292		1	
E 4		CHECK TERMINAL			
		00292		1	
E 5		CHECK TERMINAL			
		00292		1	

Dep.

* Selected at factory

DRAWING № 34W99310 2/5

ANRITSU CORP.

Parts List of: A2-A13 POWER SUPPLY

Ref No.	Part Code	Description	Rating	Qty	Note
[illegible]		CHECK TERMINAL			
		00292		1	
[illegible]		NOT ASSIGNED			
[illegible]		CHECK TERMINAL			
		00292		1	
F 1		FUSE	[illegible]		
		MF51NN250V1ADC01			
F 2		FUSE	[illegible]		
		MF51NN250V2ADC01			
F 3		FUSE	1.6A,250V		
		MF51NN250V1.6ADC01		1	
F 4		FUSE	0.5A,25[illegible]		
		MF51NN250V0.5ADC01		1	
F 5		FUSE	1A,250V		
		MF51NN250V1ADC01		1	
F 6		FUSE	0.8A,250V		
		MF51NN250V0.8ADC01		1	
F 7		FUSE	0.2A,250V		
		MF51NN250V0.2ADC01		1	
J 1		PLUG	15P		
		DF1-15P2.5DSA		1	
J 2		CONNECTOR	22P		
		L-PB2221		1	
J 3		PLUG	2P		
		DF1-2P2.5DSA			
J 4		PLUG	3P		
		DF1-3P2.5DSA		1	
M 1		TIMER	10000H		
		TM-0		1	
Q 1		DIODE			
		D5FB20(4002)		1	
Q 2		RECTIFIER			
		RB-402-LFD		1	
Q 3		DIODE			
		D5FB20(4002)			

Dep

* Selected at factory. DRAWING № 34W99310 [illegible]/7

ANRITSU CORP.

Parts List of: A2-A13 POWER SUPPLY

Ref No.	Part Code	Description	Rating	Qty	Note
Q 4		RECTIFIER			
		RB-402-LFD		1	
Q 5		RECTIFIER			
		RB-152-LFB		1	
Q 6		IC			
		SI-3052V		1	
Q 7		IC			
		SI-3052V		1	
Q 8		TRANSISTOR			
		2SC2751		1	
Q 9		IC			
		SI-3122V		1	
Q 10		IC			
		SI-3122V		1	
Q 11		IC			
		μPC16315HF		1	
Q 12		IC			
		μPC16312HF		1	
Q 13		IC			PA2-1CB
		μPC78N24H		1	
Q 14		DIODE			
		1S953		1	
Q 15		DIODE			
		1S953		1	
Q 16		ZENER DIODE			
		RD5.1EB		1	
Q 17		NOT ASSIGNED			
Q 18		DIODE			
		1S953		1	
Q 19		DIODE			
		1S953		1	
Q 20		DIODE			
		1S953		1	
Q 21		DIODE			
		1S953		1	
Q 22		DIODE			
		1S953		1	
Q 23		DIODE			
		1S953		1	
Q 24		DIODE			
		1S953		1	
Q 25		TRANSISTOR			
		2SD1405		1	
Q 26		TRANSISTOR			
		2SC2721		1	

Dep

* Selected at factory. DRAWING № 34W99311 4/7

ANRITSU CORP.

Parts List of: A2-A13 POWER SUPPLY

Ref No.	Part Code	Description	Rating	Qty	Note
[illegible]		ZENER DIODE			
		HZ30-3		1	
R 1		CARBON FILM RES	1MΩ		
		ARD25T102J	± 5%,1/4W	1	
R 2		CARBON FILM RES	1MΩ		
		ARD25T102J	± 5%,1/4W	1	
R 3		CARBON FILM RES	4.7kΩ		
		ARD25T472J	± 5%,1/4W	1	
R 4		CARBON FILM RES	4.7kΩ		
		ARD25T472J	± 5%,1/4W	1	
R 5		CARBON FILM RES	10kΩ		
		ARD25T103J	± 5%,1/4W	1	
R 6		NOT ASSIGNED			
R 7		CARBON FILM RES	1KΩ		
		ARD25T102J	± 5%,1/4W	1	
R 8		METAL FILM RESISTOR	7.32KΩ		
		RN14K2E7321D	± 0.5%,1/4W	1	
R 9		CARBON FILM RES	1KΩ		
		ARD25T102J	± 5%,1/4W	1	
R 10		CARBON FILM RES	1MΩ		
		ARD25T105J	± 5%,1/4W	1	
R 11		CARBON FILM RES	6.8KΩ		
		ARD25T682J	± 5%,1/4W	[illegible]	

Dep

* Selected at factory. DRAWING № 34W99310 5/7

ANRITSU CORP.

Parts List of: A2-A14 CPL

16

Ref No.	Part Code	Description	Rating	Qty	Note
[illegible]		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
[illegible]		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	[illegible]	
[illegible]		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	[illegible]	
4		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	[illegible]	
[illegible]		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
6		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	[illegible]	
[illegible]		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	[illegible]	
[illegible]		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	[illegible]	
[illegible]		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	[illegible]	
[illegible]		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
11		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	[illegible]	
12		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	[illegible]	
[illegible]		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
14		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
15		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
16		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
17		AL ELECTLT CAP	22μ F,25V		
		CE04C1E220		1	
18		CER CAP	0.1μ F,50V		
		CK733F1H104Z	+80/-20%	1	
J 1		PIN-TYPE CONNECTOR	3P		PIN
		FFC3AMEP		1	
J 2		PIN-TYPE CONNECTOR	2P		
		DIC-252		1	
J 3		CONNECTOR	26P		SOCKET
		PICD-26S-DT1-N		1	

Dep

* Selected at factory. DRAWING № 34W99312 1/1

ANRITSU CORP.

Parts List of: A2-A14 CPU

Ref No.	Part Code	Description	Rating	Qty	Note
C	1	IC			
		HD6473808P10			
C	2	IC			
		AB1863FF			
C	3	IC			
		74HCT541F			
C	4	IC			
		74HCT541F			
C	5	IC			
		74HCT541F			
C	6	IC			
		74HCT245F			
C	7	IC			
		74HCT245F			
C	8	IC			
		μ PD71054C			
C	9	IC			
		74HC21F			
C	10	IC			IC-26-3206
		μ PD27C2001D-15		1	-GS4
C	11	IC			IC-26-3206
		μ PD27C2001D-15		1	-GS4
C	12	IC			
		HM62256LFP-8T			
C	13	IC			
		HM62256LFP-8T			
C	14	IC			
		74HC32F			
C	15	IC			
		74HC04F			
C	16	IC			
		HN58C65FP-25T			
D	17	DIODE			
		1S2837			
C	18	IC			
		74HC00F			
R	1	CERMET RESISTOR	10KΩ		
		RK73M2A103J	± 5%.1/10W	1	
R	2	CERMET RESISTOR	10KΩ		
		RK73M2A103J	± 5%.1/10W	1	
R	3	RES ARRAY	10KΩ		
		RRS-8-103JA	± 5%		
R	4	RES ARRAY	10KΩ		
		RRS-8-103JA	± 5%		

Dep

ANRITSU CORP.

Parts List of: A2-A14 CPU

Ref No.	Part Code	Description	Rating	Qty	Note
R	1	RES ARRAY	100KΩ		
		RRS-4-103JA	± 5%		
R	4	RES ARRAY	100KΩ		
		RRS-8-104JA	± 5%		
R	5	RES ARRAY	100KΩ		
		RRS-8-104JA	± 5%		
R	6	CERMET RESISTOR	100KΩ		
		RK73M2A104J	± 5%.1/10W		
R	7	CERMET RESISTOR	100KΩ		
		RK73M2A104J	± 5%.1/10W	1	
R	8	CERMET RESISTOR	1KΩ		
		RK73M2A102J	± 5%.1/10W	1	
X	1	CRYSTAL OSC	16MHz		
		EAN-8016M		1	
B	1	BATTERY	3V.500m Ah		
		BR3032-1CFR		1	

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ANRITSU CORP.

Parts List of: A2-A15 INTERFACE

17

Ref No.	Part Code	Description	Rating	Qty	Note
C	1	CER CAP	0.1μ F.50V		
		CK733F1H104Z	+80/-20%	1	
C	2	CER CAP	0.1μ F.50V		
		CK733F1H104Z	+80/-20%	1	
C	3	CER CAP	0.1μ F.50V		
		CK733F1H104Z	+80/-20%	1	
C	4	CER CAP	0.1μ F.50V		
		CK733F1H104Z	+80/-20%	1	
C	5	CER CAP	0.1μ F.50V		
		CK733F1H104Z	+80/-20%	1	
C	6	NOT ASSIGNED			
C	7	CER CAP	0.1μ F.50V		
		CK733F1H104Z	+80/-20%	1	
C	8	CER CAP	0.1μ F.50V		
		CK733F1H104Z	+80/-20%	1	
C	9	CER CAP	1μ F.50V		
		CK737F1H105Z	+80/-20%	1	
C	10	TA ELECTLT CAP	4.7μ F		
		CS732E1C475M	± 20%.16V	1	
C	11	CER CAP	0.1μ F.50V		
		CK733F1H104Z	+80/-20%	1	
C	12	CER CAP	0.1μ F.50V		
		CK733F1H104Z	+80/-20%	1	
C	13	AL ELECTLT CAP	470μ F		
		CE04C1A471A	± 20%.10V	1	
C	14	CER CAP	0.1μ F.50V		
		CK733F1H104Z	+80/-20%	1	
C	15	NOT ASSIGNED			
C	16	NOT ASSIGNED			
C	17	CER CAP	0.1μ F.50V		
		CK733F1H104Z	+80/-20%	1	
C	18	CER CAP	0.1μ F.50V		
		CK733F1H104Z	+80/-20%	1	
C	19	CER CAP	0.1μ F.50V		
		CK733F1H104Z	+80/-20%	1	
C	20	CER CAP	0.1μ F.50V		
		CK733F1H104Z	+80/-20%	1	

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ANRITSU CORP.

Parts List of: A2-A15 INTERFACE

Ref No.	Part Code	Description	Rating	Qty	Note
L	1	INDUCTOR	1.0μ H		
		SP0408-1R0K		1	
Q	1	IC			
		74HC138F		1	
Q	2	IC			
		74HC138F		1	
Q	3	IC			
		74HC374F		1	
Q	4	IC			
		74HC374F		1	
Q	5	IC			
		74HC112F		1	
R	1	74HC04F			
R	2	NOT ASSIGNED			
R	3	IC			
		74HC245F		1	
R	4	74HC04F			
R	5	NOT ASSIGNED			
R	6	NOT ASSIGNED			

Dep

ANRITSU CORP.

Parts List of: A2-A15 INTERFACE

Ref. No.	Part Code	Description	Rating	Qty	Note
Q 17		IC			
		TMS9914ANL		1	
Q 18		IC			
		SN75161BN		1	
Q 19		IC			
		SN75160BN		1	
R 1		RES ARRAY	1 K		
		RRS-8-104JA	5%	1	
R 2		RES ARRAY	1 K		
		RRS-8-104JA	5%	1	
R 3		NOT ASSIGNED			
R 4		RES ARRAY	3.3 K		
		RRS-8-332JA	5%	1	
R 5		CERMET RESISTOR	1 K		
		RK73M2A150J	5% 1/10W	1	
R 6		CERMET RESISTOR	220Ω		
		RK73M2A221J	5%.1/10W	1	
R 7		CERMET RESISTOR	33KΩ		
		RK73M2A333J	5%.1/10W	1	
R 8		CERMET RESISTOR	1.5KΩ		
		RK73M2A152J	5%.1/10W	1	
R 9		RES ARRAY	100KΩ		
		RRS-8-104JA	5%	1	
R 10		CERMET RESISTOR	10KΩ		
		RK73M2A103J	5%.1/10W	1	
R 11		CERMET RESISTOR	10KΩ		
		RK73M2A103J	5%.1/10W	1	
R 12		CERMET RESISTOR	4.7KΩ		
		RK73M2A472J	5%.1/10W	1	
S 1		DIP SWITCH	4P		
		DIS54A		1	
X 1		CRYSTAL OSC	20MHZ		
		EXO-3C(20M)		1	

Dep

DRAWING № 34W99501

ANRITSU CORP.

Parts List of A3 STD UNIT (OPT01)

18

Ref. No.	Part Code	Description	Rating	Qty	Note
A 1					33W32502
		A3-A1 STD POWER		1	34W99505
A 1		LINE FILTER			
		ZFN5101-01R		1	
C 1		CER CAP	0.1μ F.50%		
		CK924F1H104Z	+80/-20%	1	
C 3		CER CAP	330p F		
		CC924CH1H331J	± 5%.50V	1	
C 4		CER CAP	330p F		
		CC924CH1H331J	± 5%.50V	1	
J 1		NOT ASSIGNED			
J 2		JACK	5P		
		5N203		1	
J 3		PLUG	4P		1560TL
		1625-04P1		1	
L 1		INDUCTOR	1.0μ H.± 10%		
		SP0408-1R0K		1	
S 1		PUSH SWITCH	5A		SB1705
		ESB-70707V		1	
T 1		POWER TRANSFORMER			
		34T100367		1	
W 1		L LINK	UT141.BNC		
		34J91995B		1	
W 2		CABLE	300mm .3P		
		DF1B-3S2.5R24-30C-1		1	
W 3			50mm .2P		DF1B-2S2.5
W 4		34ZW99748 DF1BCABLE		1	R24-10C-1
		CABLE ASSEMBLY	140mm .BNC		
		34J99753		1	

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DRAWING № 34W99502

ANRITSU CORP.

Parts List of A3 STD UNIT (OPT01)

Ref. No.	Part Code	Description	Rating	Qty	Note
X 1		CRYSTAL OSC	10MHZ		TCO-612B
		34X70052A	2× 10 -8/DAY	1	

Dep

* Selected at factory

DRAWING № 34W99502

ANRITSU CORP.

Parts List of A3 STD UNIT (OPT02)

18

Ref. No.	Part Code	Description	Rating	Qty	Note
A 1					33W32502
		A3-A1 STD POWER		1	34W99505
A 1		LINE FILTER			
		ZFN5101-01R		1	
C 1		CER CAP	0.1μ F.50%		
		CK924F1H104Z	+80/-20%	1	
C 3		CER CAP	330p F		
		CC924CH1H331J	± 5%.50V	1	
C 4		CER CAP	330p F		
		CC924CH1H331J	± 5%.50V	1	
J 1		NOT ASSIGNED			
J 2		JACK	5P		
		5N203		1	
J 3		PLUG	4P		1560TL
		1625-04P1		1	
L 1		INDUCTOR	1.0μ H.± 10%		
		SP0408-1R0K		1	
S 1		PUSH SWITCH	5A		SB1705
		ESB-70707V		1	
T 1		POWER TRANSFORMER			
		34T100367		1	
W 1		L LINK	UT141.BNC		
		34J91995B		1	
W 2		CABLE	300mm .3P		
		DF1B-3S2.5R24-30C-1		1	
W 3			50mm .2P		DF1B-2S2.5
W 4		34ZW99748 DF1BCABLE		1	R24-10C-1
		CABLE ASSEMBLY	140mm .BNC		
		34J99753		1	

Dep

* Selected at factory

DRAWING № 34W99503

ANRITSU CORP.

Parts List of: A3 STD UNIT (OPT02)

Ref No.	Part Code	Description	Rating	Qty	Note
X	1	CRYSTAL OSC 34A70052B	10MHZ 5× 10 -9/DAY		TCO-612C

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ANRITSU CORP.

Parts List of: A3 STD UNIT (OPT03)

18

Ref No.	Part Code	Description	Rating	Qty	Note
A	1	A3-A1 STD POWER		1	33W32502 34W99503
	1	LINE FILTER ZFN5101-01R			
	2	CER CAP CK924F1H104Z	0.1μ F,50V +80/-20%	1	
	3	CER CAP CC924CH1H331J	330p F ± 5%,50V	1	
	4	CER CAP CC924CH1H331J	330p F ± 5%,50V	1	
		NOT ASSIGNED			
	2	JACK 5A203	5P	1	
	3	PLUG 1625-04P1	4P	1	
	1	INDUCTOR SP0408-1R0K	1	1	
S	1	PUSH SWITCH ESB-70707V	5A	1	SB1
		POWER TRANSFORMER 34T100367		1	
W	1	U LINK 34J91995B	UT141.BNC	1	
W	2	CABLE DF1B-3S2.5R24-30C-1	300mm ,3P	1	
W		342W99748 DF1BCABLE	50mm ,2P		
W	4	CABLE ASSEMBLY 345J997	140mm ,BNC	1	

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Parts List of: A3 STD UNIT (OPT03)

Ref No.	Part Code	Description	Rating	Qty	Note
X		CRYSTAL OSC 34X70052C	10MHZ 2× 10 -9/DAY		TCO-622

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Parts List of: A3-A1 STD POWER
(OPTION 01 TO 03)

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Ref No.	Part Code	Description	Rating	Qty	Note
		AL ELECTLT CAP CE691C1V472V CER CAP CK924F1H104Z AL ELECTLT CAP CE04C1E470A			
	1	FUSE MF51NN250V0.5ADC01			
		PLUG DF1-2P2.3DSA PLUG DF1B-2P2.5DSA(01) PLUG DF1B-3P2.5DSA(01)			
		RECTIFIER RB-152-LFB IC μ PC7812HF DIODE 1S953 DIODE 1S953 DIODE 1S953		1	5H-10A
R	1	CARBON FILM RES ARD25T102J	1k ± 5% 1/4W	1	
S		DIP SWITCH DISS4A			

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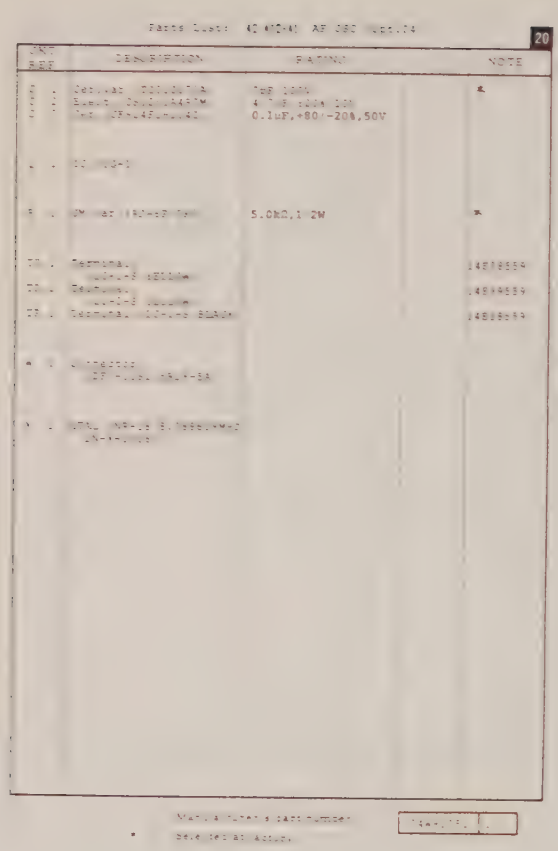
20
DESCRIPTION
RATING
NOTE

Anritsu

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